
Colorado Public Health Performance Improvement Plan

Improving Colorado's Public Health System

Office of Local Liaison

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Colorado Department
of Public Health
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Purpose and Objectives: Why have a public health improvement plan?

Challenges and Purpose for Improving the Colorado Public Health System

There has been much discussion amongst public health leaders about the need for a unified public health system in Colorado. However, there are challenges to establishing such a system in Colorado. Four such challenges are:

- 1) **Autonomous systems with parallel authority**—Colorado actually consists of at least three systems that run parallel to each other. There is the Colorado Department of Public Health & Environment, which is established in statute as the state entity that has its own statewide authority to provide public health through policies, set by the legislature and the State Board of Health.
- 2) **Lack of uniform standards to define the public health system**—Until the last five years there was no uniform standard upon which to measure the status of public health systems.
- 3) **Categorical approaches to public health issues**—Public health has traditionally addressed public health problems within the context of specific programs. Since special programs are designed and staffed to address specific needs, the resources that are appropriated often are limited to the scope of that specific program. This makes it difficult to develop and maintain a systems approach that can be fluid in preparing for and be able to shift response to emerging public health threats efficiently and effectively. As federal, state and local priorities shift, it is difficult to redirect resources and energy across categorical programs to tackle system-wide challenges.
- 4) **The public does not understand and therefore cannot appreciate the need for a strong public health system**—This has been a continued challenge from as far back as 1946 when Dr. Florence Sabin¹ reported through the American Public Health Association that

Purpose

It is the purpose of this report and plan to improve Colorado's public health system capacity to provide services essential to the protection and preservation of the health and environment of the people of Colorado.

"it is this lack of understanding on the part of the people, (due to the failure to conduct a well planned, continuous program of health education or health information) in Colorado, as in many other states, which is responsible for the failure to provide the best in the way of health protection and health promotion services."¹

With these challenges in mind, the Colorado Department of Public Health and Environment has set out to work with the Public Health Performance Improvement Collaborative and many other partners to begin the work of uniting the diversity of systems throughout our state together to improve our public health system. It is the Colorado public health system that supports the capacity to "protect and preserve the health and environment of the people of Colorado"². It is our purpose to begin that work by convening the cooperation of many state and local partners in developing this report and plan to establish a common blueprint and work plan for improving

¹ American Public Health Association, Colorado Public Health Needs and How to Meet Them: Report of a Study Made by the American Public Health Association—November 1945 – March 1946, Page 3.

² Department of Public Health and Environment Strategic Plan, March 2004.

Colorado's public health system. Simply said, it is the purpose of this report and plans to improve Colorado's public health system capacity to provide services essential to the protection and preservation of the health and environment of the people of Colorado.

Objectives

The notion of improving a public health system can be abstract. It is important to identify specific objectives for this plan so that the vision of "improvement" can be translated into concrete observable terms. We have an ambitious trip itinerary planned in our desire to reach the destination of achieving the National Public Health Performance Standards. A disconcerting characteristic of this trip is that many of the roads ahead are uncharted. Well, you can't steer a parked car. Regardless, it is time to push away from the curb and begin even as we at times must chart our own course in mid-trip. Accomplishing the following objectives should serve as a start in this continuous process of performance improvement.

- 1) Identify performance improvement activities occurring amongst state public health system partners and local public health system partners.
- 2) Highlight activities focused on Essential Services 1 (Monitoring), 2 (Diagnosing) and 9 (Evaluating) with special emphases on Bioterrorism and All Hazards Preparedness identified.
- 3) Identify common themes of activities.
- 4) Facilitate learning communities around state and local partners with common activities.
- 5) Develop communication strategies build and maintain partnerships that support public health performance improvement.
- 6) Establish measurable and achievable benchmarks for improvement and develop opportunities to recognize and celebrate success.

The remaining sections of this document will highlight each of these objectives.

Background

Public health has made great strides during the past century. Vaccine development, disease episodes prevented, along with public health efforts that extend life expectancy are strong evidence for what can be accomplished. Today, at the beginning of the 21st Century, public health combats the new leading causes of death—chronic and behavior-related disease. To further add to the complexity of public health assaults, the threat of Bioterrorism attacks has been added to the domain of public health practice. With the onset of Bioterrorism, the public, more than ever, demands that the public health infrastructure and system be ready and able to protect them. Meanwhile, Colorado had to reduce general fund support for local public health services to comply with constitutional fiscal restraints aggravated by a stalling post-September 11th economy. Local governments were also impacted during this time and have been unable to sustain services at a pre-September 11th level. Federal funding supporting Bioterrorism and emergency preparedness activities has sustained or enhanced services in the areas of disease control, communication technology and planning while other essential public health services are strained due to decreased state and local revenues. Through Bioterrorism (BT) Supplemental funding health departments have avoided significantly reducing their workforce, but rather redirected their human resources toward BT related activities.

Nonetheless, Colorado continues in its long tradition of striving to improve public health capacity, with several initiatives building on each other within the past five years.

- June 2001—the Colorado Turning Point Initiative developed a document of recommendations for increasing the capacity of public and environmental health agencies.
- August 2001—The Colorado Public Health Professional Education Plan: Life-long Learning System was published by CDPHE and outlined a strategy to improve the education and training of the public health workforce.
- June 2002—The Office of Local Liaison (OLL) and BT Focus Area G (training) sponsored an assessment of the public health workforce’s competencies and educational needs, using a 97-item self-assessment tool, Towards 21st Century Public Health Practice, developed and implemented by the School of Nursing at the University of Colorado Health Sciences Center. The results were published in the report, [Competencies and educational needs of Colorado’s public health workforce](#).
- April 2003—As part of Colorado’s FY 2002-03 BT Supplemental funding preparedness efforts, the OLL completed the Local and State Public Health Performance Standards (L/S-PHPS) assessments. The Colorado Public Health Capacity Building Steering Committee had already been working on strategies to enhance capacity to do the work of public health in Colorado. With BT Supplemental funding, modified Local/State Versions of the National Public Health Performance Standards (<http://www.phppo.cdc.gov/nphps/index.asp>) assessment were conducted throughout Colorado.
- June 2003—The Denver Center for Public Health Preparedness (DCPHP), a CDC-funded advanced practice center, co-sponsored a Performance Standards Conference with the Office of Local Liaison with two basic goals:
 - To cultivate within Colorado’s public health community a culture of learning and quality improvement; and
 - To advance the practice of public health throughout Colorado to an exemplary level.

Through a combination of plenary presentations, conference attendees learned more about quality improvement, measurement and public health standards from national, state and local perspectives. Preliminary results of the National Public Health Performance Standards (NPHPS) Assessments results were shared. One major theme of that conference was that true operational readiness might only be achieved through improved organizational capacity. A desired outcome of the conference was to establish a quality improvement (QI) collaborative that would address the needs of our BT Supplemental funding critical capacities and benchmarks.

Since June 2003, a group from the Performance Standards Conference continued to meet monthly to further develop the ideas through small group discussion. That group is called the Public Health Performance Improvement Collaborative (PHPIC) whose focus is definition and promotion of performance indicators across our state. Composed of interested local and state public health agencies, PHPIC’s goal is to promote an “all-hazards” preparedness model in Colorado and improve the PH infrastructure overall. The group is open to any Colorado public health worker, partner or interested individual.

The mission of the Colorado Public Health Performance Improvement Collaborative (PHPIC) is to achieve meaningful, ongoing improvements in Colorado's public health system. PHPIC is pursuing this mission with the following goals:

- Increase and sustain PH system/agency capacity to deliver essential services.
- Ensure that the PH workforce is educated about core PH functions and essential services and how to achieve them.
- Develop a robust "learning community" among Colorado PH stakeholders that:

Learning Community

A group of people, an organization, or an organization of organizations that increases its competency by:

- *Sharing a common vision*
- *Striving to share mental models*
- *Expanding the capacity of its individual members*
- *Focusing change at the system level*

Adapted from Peter Senge's

The Fifth Discipline

- Shares lessons learned and networks to improve performance
- Builds relationships across all PH groups and agencies
- Operates based on ASTHO/NACCHO Principles of Collaboration

- Increase resource support (e.g., personnel, funding) for core PH capacities.

As one of its activities, PHPIC conducted a technical assistance/training session in January 2004 with invitations to all planners, epidemiologists and other local public health officials. This session provided a template and toolkit to achieve Focus Area A deliverables in the communities served by those planners and epidemiologists. It also provided the process for developing a statewide performance improvement plan.

Colorado's National Public Health Performance Standards Assessment: The Basis for Data-Driven Public Health Improvement

The National Public Health Performance Standards Program (NPHPSP) is a collaborative effort to enhance the Nation's public health systems. Seven national public health organizations have partnered to develop national performance standards for State and local public health systems. Partner organizations include:

- [Centers for Disease Control and Prevention, Public Health Practice Program Office](#) (CDC / PHPPO),
- [American Public Health Association](#) (APHA),
- [Association of State and Territorial Health Officials](#) (ASTHO),
- [National Association of County and City Health Officials](#) (NACCHO),
- [National Association of Local Boards of Health](#) (NALBOH),
- [National Network of Public Health Institutes](#) (NNPHI), and

- [Public Health Foundation](#) (PHF).

The stated mission and goals of the NPHPSP are to improve the quality of public health practice and the performance of public health systems by:

- 7) Providing performance standards for public health systems and encouraging their widespread use;
- 8) Engaging and leveraging national, state, and local partnerships to build a stronger foundation for public health preparedness;
- 9) Promoting continuous quality improvement of public health systems; and
- 10) Strengthening the science base for public health practice improvement.

There are four concepts that have helped to frame the NPHPSP:

- 11) The standards are designed around the Ten Essential Public Health Services. The use of the Essential Services assures that the standards fully cover the gamut of public health action needed at state and community levels.

Essential Public Health Services	
1.	Monitor health status to identify community health problems.
2.	Diagnose and investigate health problems and health hazards in the community.
3.	Inform, educate, and empower people about health issues.
4.	Mobilize community partnerships to identify and solve health problems.
5.	Develop policies and plans that support individual and community health efforts.
6.	Enforce laws and regulations that protect health and ensure safety.
7.	Link people to needed personal health services and assure the provision of health care when otherwise unavailable.
8.	Assure a competent public and personal health care workforce.
9.	Evaluate effectiveness, accessibility and quality of personal and population-based health services.
10.	Research for new insights and innovative solutions to health problems.

- 12) The standards focus on the overall public health system, rather than a single organization. A public health system includes all public, private, and voluntary entities that contribute to public health activities within a given area. This assures that the contributions of all entities are recognized in assessing the provision of essential public health services.
- 13) The standards describe an optimal level of performance rather than provide minimum expectations. This assures that the standards can be used for continuous quality improvement. The standards can stimulate greater accomplishment and provide a level to which all public health systems can aspire to achieve.
- 14) The standards are intended to support a process of quality improvement. System partners should use the assessment process and the performance standards results as a guide for learning about public health activities throughout the system and determining how to make improvements.

Based on these principles, the NPHPS program developed these assessment tools:

- The [State Public Health System Assessment Instrument](#) focuses on the "state public health system," which includes state public health agencies and other partners that contribute to public health services at the state level. ASTHO and CDC developed this instrument.

- The [Local Public Health System Assessment Instrument](#) focuses on the "local public health system" or all entities that contribute to public health services within a community. The local instrument was developed by NACCHO and CDC.

In the winter of 2002-2003, 54 local jurisdictions serving all 64 Colorado counties in Colorado completed the Local Assessment Instrument. The Colorado Department of Public Health and Environment conducted the State Assessment Instrument. There were at least 329 local stakeholders who contributed to the completion of the local tools including representatives from Local Public Health; Local Boards of Health; Hospitals; Public Safety; Emergency Response; Environmental Health; County Commissioners; Primary Care Clinics; Social Service Providers; Educational Institutions; Non-profit Organizations; and State and Regional Representatives.

A brief web-based survey was also conducted to determine the importance of each of the essential services to local health officers and county nursing service directors, and whether or not the agency intended to engage in quality improvement activities around each essential service within the next 12 months.

PHPIC reviewed Local/State Public Health Performance Standards (L/S-PHPS) assessment data to identify gaps and generate priorities for improvement where our early efforts would address improving system performance in areas that baseline data indicated weakness.

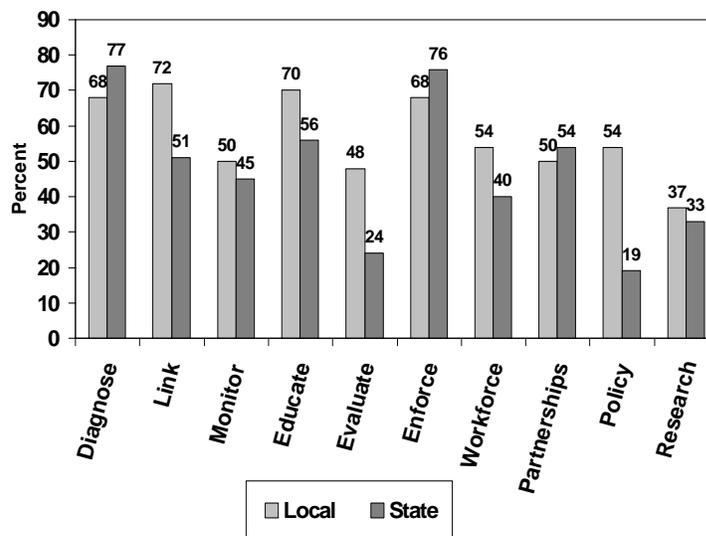


Figure 1 Proportion of each standard being met for local and state public health systems

Figure 1 shows the proportion of each model standard met for local health agencies combined, as well as for the state. The NPHPSP considers 75% or more of the model standard being met as adequate. Colorado falls short of this goal for nearly every essential service.

Figure 2 shows the proportion of the model standard being met, the proportion of respondents who rated the essential services as very important and the proportion who intend to engage in quality assurance in the next 12 months (aggregate local responses). Of note are those essential services in which a large discrepancy exists between the importance of the essential service (high), proportion being met (low) and intent to engage in quality improvement (low), such as for monitoring (essential service #1) and evaluation (essential service #9.)

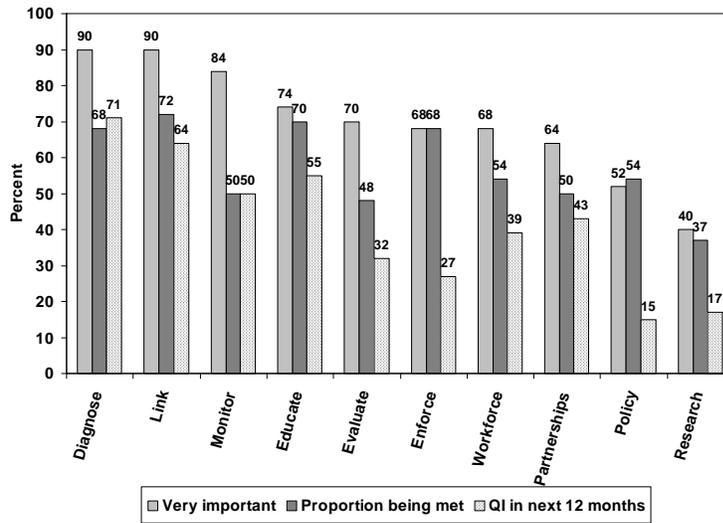


Figure 2 Proportion of the model standard being met; the proportion of respondents who rated the essential services as very important; and the proportion who intend to engage in quality assurance in the next 12 months

As shown in Figure 3, those essential services with the highest proportion being met tend to be the ones in which the work force reports the highest level of competence. Conversely, those with the lowest proportion of the model standard met have the lowest level of competence and the highest level of educational need.

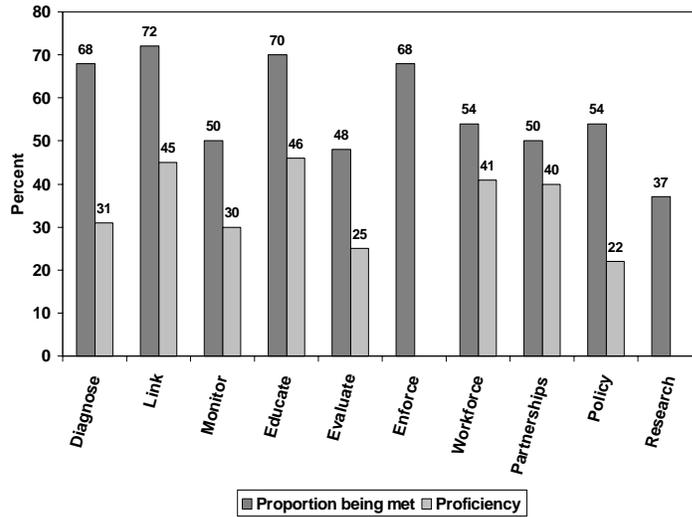


Figure 3 Average proportion of essential service being met and rated with high proficiency

In analyzing the data from the performance standards assessment, PHPIC determined a set of criteria against which the data could be prioritized for action. Table 1 lists the criteria and how each of the essential services was scored against these criteria. The essential services with the most "X"s are considered those demanding priority attention. Based on this matrix, it is clear that

essential service #1, monitor health status to identify community health problems, and essential service # 9, evaluate effectiveness, accessibility and quality of personal and population-based health services, are clear priorities. PHPHIC also intends to focus on essential service #2, diagnose and investigate health problems and health hazards in the community, as it is of such critical importance to both traditional public health and the “all hazards” approach to public health.

Table 1 NPHPS Priority Matrix

	Monitor	Diagnosis	Educate	Partnership	Policy	Enforce	Link	Workforce	Evaluation	Research
Less than 50% of the model standard met locally	X			X					X	X
Less than 50% of the model standard met at state	X				X			X	X	X
Rated most important	X	X	X							
50% or more intend to engage in QI in next year	X	X	X				X			
Greatest discrepancy between importance and % of model standard being met	X	X					X		X	
Indicators at or below 50% for locals	X			X	X			X	X	X
Indicators at or below 50% at state	X	X	X	X	X			X	X	X
Less than 30% of local work force highly proficient	X				X				X	

Using a broad approach, templates will create plans to build PH capacity at the local and state levels. Clear, complete, achievable action plans to improve capacity at both levels (both within agencies and systems) are being developed. PHPHIC is exploring the idea of pilot sites and some unified statewide or common QI initiative. Cross-jurisdiction plans that create synergy of PH efforts are to be encouraged. Plans will focus on system and personal competencies. This document contains such templates already developed by several local jurisdictions and programs within the state health department.

Using a Performance Improvement model (e.g., Institute of Healthcare Improvement, www.ihi.org) and similar approaches, PHPHIC has identified some target areas for initial application and skill building.

“If you can’t measure it, you can’t make real change and improvement.”
“What is measured gets done!”

Quality Improvement in Public Health

Institute for Healthcare Improvement (IHI)

The Institute for Healthcare Improvement (IHI), a national organization, has a long history of efforts to improve healthcare performance, providing methods/tools to improve processes and outcomes. The key to improvement is measurement.

There are 3 essential questions proposed by IHI in their performance improvement work:

1) What are we trying to accomplish?

- Improvement relies on the intention to improve and must involve senior leaders. Thus, the intent must be aligned with strategic goals of the organization. The target for improvement must be unambiguous and send a strong consistent message.

2) How will we know that a change is an improvement?

- Key measures should monitor an outcome that benefits those receiving service, contributes to public health competencies, essential services, etc. Measurement should be integrated into the daily routine.
- While all improvement requires change, not all change is an improvement. What will be measured to know the aim has been achieved? What measures will be used to guide improvement?
- Measurement is not for judgment, nor for research. It is intended to determine the results of improvement cycles on process and outcomes.

3) What changes can we make that will result in an improvement?

- Use existing knowledge
- Ask for suggestions
- Adapt to local conditions
- Learn from other colleagues and partners
- Be strategic: Set priorities based on the aim, known problems, and feasibility
- Avoid low impact changes

To do quality improvement an organization needs a multi-disciplinary team that includes a:

- System leader (someone who has enough authority to institute change)
- Technical expert (someone who knows the subject intimately and who understands the processes)
- Day to day leader (team leader, driver of the improvement process)
- Other important people
- Front line (who the changes will affect the most)
- A data oriented person
- Need support from management, but management does not need to be on the team.

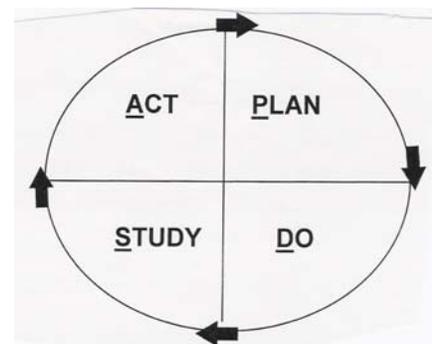
Four repeating steps are involved in this improvement process: the “PDSA” (plan-do-study-act) model is used to work through each cycle of improvement. The steps are repeated as changes and improvements are made.

Plan:

- What is the objective?
- What are the questions and predictions for what you are trying to improve? (WHY)
- What is the plan to carry out the cycle? (WHO, WHAT, WHERE, WHEN)

Do:

- Carry out the plan
- Document problems and unexpected observations
- Begin data analysis



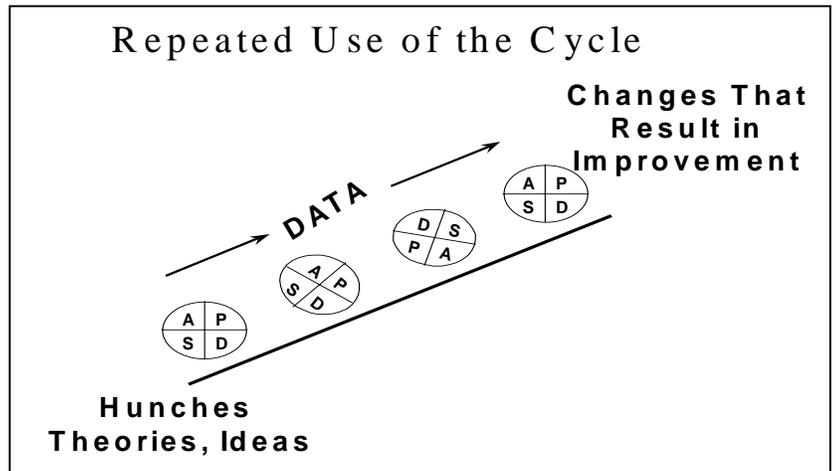
Study:

- Complete analysis of data
- Compare data to predictions
- Summarize what was learned

Act:

- What changes need to be made? (what worked, what didn't)
- What should be the next cycle?

With repeated use of the cycle, hunches, theories and ideas drive the process converting collected data into information that can drive change and improvement in process that ultimately will improve outcomes. There are numerous examples of how this QI approach has been effective in reducing errors and improving outcomes in the healthcare delivery system. Don Berwick and the IHI group have been leaders in finding ways to address concerns of patients, consumers, insurers and delivery systems. To date there have been few efforts to apply this model to public health.



This approach to quality improvement is being promoted in Colorado. Several opportunities for training will exist over the next several months to impart skills and share experiences using the "Plan Do Study Act" model for improvement.

Mobilizing for Action through Planning and Partnerships (MAPP)

Building on previous public health improvement efforts (e.g., APEX-PH), the National Association of City and County Health Officials (NACCHO) has been developing Mobilizing for Action through Planning and Partnerships (MAPP) as a community-wide strategic planning tool for improving community health. Facilitated by public health leadership, this tool helps communities prioritize public health issues and identify resources for addressing them. Community ownership is a vital component of MAPP. Because the community's strengths, needs, and desires drive the process, MAPP is designed to help residents and organizations come together to ensure that resources and needs are aligned to promote health. Community energy and public participation are crucial to the



success of this process. The community/system perspective is much more comprehensive than the LHD perspective alone. PH leadership must discover new partners and re-discover of old partners during the process as any long-term, sustainable quality improvement effort will depend on the process being grounded in the community.

Vision for Implementing MAPP: *“Communities achieving improved health and quality of life by mobilizing partnerships and taking strategic action.”*

The MAPP model works through sequential “phases” of the process shown in the center of the figure,

- Organize for Success
- Partnership Development
- Visioning
- Assessments (see below)
- Identification of Strategic Issues
- Formulate Goals and Strategies

while the four MAPP Assessments—

- Community Themes and Strengths
- Local Public Health System
- Community Health Status
- Forces of Change

...Are the key content areas (surrounding the phases) that drive the process.

To initiate the MAPP process, lead organizations in the community begin by organizing themselves, recruiting participants, and preparing to implement MAPP (Organize for Success / Partnership Development). The second phase of the MAPP process is Visioning. A shared vision and common values provide a framework for pursuing long-range community goals. Next, the four MAPP Assessments listed below are conducted simultaneously, providing critical insights into challenges and opportunities throughout the community:

- **Community Themes and Strengths Assessment** – identifies issues that interest the community, perceptions about quality of life, and community assets.
- **Local Public Health System Assessment** – measures the capacity and performance of the local public health system – all organizations and entities that contribute to the public’s health.
- **Community Health Status Assessment** – assesses data about health status, quality of life, and risk factors in the community.
- **Forces of Change Assessment** – identifies forces that are or will be affecting the community or the local public health system.

Using the results of the assessments, participants Identify Strategic Issues and then Formulate Goals and Strategies for addressing each issue. This information is crucial for the Action Cycle, during which participants plan for action, implement, and evaluate. Conducting MAPP should create a sustained community initiative that ultimately leads to community health improvement.

At present, there are a few pilot sites around the county conducting MAPP. This is a long process since it relies on building stronger partnerships through engaging the community and creating community ownership for public health issues. Unlike many government-funded programs is builds public health leadership from the ground up, creating advocates for public health. The initial emphasis is on the process rather than the outcome as the belief is that through leadership and advocacy we will be more likely to achieve desired outcomes as the community has important resources to contribute to the collective endeavor. We anxiously await the lessons learned, reports and findings from those pilot sites. Some of these may be tools and approaches that PHPIC might adapt or encourage be applied within Colorado.

Summary

PHPIC has begun a process that addresses current and potential future needs. It is founded on principles of collaboration between local and state public health workers to achieve improved public health capacity and preparedness. Many of the efforts are consistent with national trends (e.g., IHI and NACCHO's MAPP) to improve process and outcomes of our public health efforts. CDC's apparent focus on indicators and measuring preparedness is consistent with PHPIC's approach to performance measurement and proposed methods. PHPIC and OLL will provide training during the coming months on using data from the NPHPS assessment for identifying priorities, quality improvement techniques, and MAPP. Regional planners assigned to local health departments will be called on to assist in this process promoting public health performance standards, county-specific self-assessments and public health infrastructure improvement plans. In the process PHPIC hopes to instill methods, skills and finally promote a forward thinking learning community that values quality improvement efforts to enhance public health capacity.

Performance Improvement Plans for State and Local Public Health Systems

The National Public Health Performance Improvement Standards are evaluated using two assessment instruments: 1) the State Public Health System Assessment Instrument (SPHSAI, and 2) the Local Public Health System Assessment Instrument (LPHSAI). Colorado completed the SPHSAI as well as the LPHSAI in all 54 local public health jurisdictions. In response to the findings which are summarized in the **Colorado's National Public Health Performance Standards Assessment: The Basis for Data-Driven Public Health Improvement** section of this report (Page 4), state and local system partners submitted plans for public health performance improvement for their respective agencies or organizations. Seventy-two (72) percent of all local public health agencies submitted plans. The number of participants from CDPHE, state organizations and local public health agencies is shown in Table 2.

Table 2 Numbers of Participants by Type of Agency or Organization

Participant Type	Number of Participants
CDPHE Programs	6
Local Public Health Agencies	39
State Public Health Organizations	11
Total	56

State Public Health System Plans

Programs within CDPHE and from state public health system partners submitted plans. System partners were organizations that have a statewide mission and thereby contribute to the state system.

1—Monitor Health Status to Identify Community Health Problems

CDPHE--Consumer Protection

Topic: Web-based Consumer Protection Database Service

How Did You Decide This Is Important: State Auditor's Office Performance Audit, June 2003, recommended that the Department pursue methods to automate the recording & reporting of inspection results by the Division & contract agency staff, most specifically by recording inspection results electronically as the inspections are conducted. The report also recommended that the current fragmented complaint tracking system be replaced with a single automated database containing details of all foodborne illness complaints.

Specific Aim or Purpose: Reduce risk of foodborne illness from food consumed from retail food establishments & reduce risk of illness & injury associated with schools & childcare facilities. Having data available in a timelier manner will enable CPD to manipulate this data to track trends in violations & take preventive actions to reduce critical violations that cause foodborne outbreaks, other illnesses & injuries

Desired Outcome or Improvement Target: Web-based data system to manage inspectional programs for retail food, schools & childcare for CPD & for monitoring contracts with local agencies who conduct similar inspections.

Measurement of Success: By being able to identify possible foodborne outbreaks in a more timely fashion, CPD can take the necessary actions to prevent the future spread of the illness. By being able to more closely track correction of critical items identified by inspectors, CPD will be able to prevent outbreaks of foodborne illness from occurring, thereby protecting the patrons of those establishments. In addition, the service will reduce the personal services costs associated with data entry of inspection reports & a reduction in paper costs.

CDPHE--Health Statistics

Topic: Access to and utilization of current technology to manage, display, analyze and communicate population health data (Indicator 1.2)

How Did You Decide This Is Important: National Public Health Performance Standards Assessment data for Colorado

Specific Aim or Purpose: To make geocoded data available for use by local health departments for developing community health profiles

Desired Outcome or Improvement Target: Mapping of 8 key health indicators will be available on CoHID at the county level by July, 2005.

Measurement of Success: Refine through beta testing. Monitor website hits. Monitor comments and feedback. Add more health indicators over time.

CDPHE--Maternal Child Health

Topic: Maternal and Child Health State and Local Planning Process – Five-Year MCH Needs Assessment

How Did You Decide This Is Important: We last completed a 5-Yr. MCH Needs Assessment in 2000 and implemented an annual data-based planning/implementation/evaluation state-local MCH Planning process then. We have begun a new comprehensive 5-Year Needs Assessment and planning process which we will use to refocus, refine and improve the ongoing state and local MCH planning process.

Specific Aim or Purpose: Build on and improve the on-going state and local MCH planning process to more effectively address the priority needs of maternal-child populations.

Desired Outcome or Improvement Target: Improvement in the health status of women, children and adolescents, including children and youth with special health care needs as measured by select Maternal and Child Health Performance Measures.

Measurement of Success: Improvement in the health status of women and children as measured by performance measures for selected priority needs.

2—Diagnose and Investigate Health Problems and Health Hazards in the Community

Colorado Directors of Environmental Health

Topic: Emergency Response/Investigations Protocols

How Did You Decide This Is Important: ? As discussed during the 3rd Quarter meeting, CDEH discovered that very little information is known regarding proper protocol, procedures and notifications as to local Environmental Health's role in an emergency response.

Specific Aim or Purpose: To provide procedures and protocols for local Environmental Health professionals on emergency response.

Desired Outcome or Improvement Target: Provide all organized local health departments and other environmental health professionals with procedures and protocols.

Measurement of Success: Success will be measured by adoption and distribution by CDEH of this document. The procedures and protocols will be updated yearly.

Colorado Environmental Health Association

Topic: Epidemiology for Public Environmental Health on the Western Slope

How Did You Decide This Is Important: Surveys of membership and their training needs.

Specific Aim or Purpose: Educate Public Health and Environmental Health Professionals on epidemiological responses to food and waterborne diseases. The course is designed to meet the needs for Public Health and Environmental Health Professionals involved in investigations of retail food establishments, food manufacturing establishments, childcare, and waterborne outbreaks

Desired Outcome or Improvement Target: All attendees will enhance skills in surveillance and conducting public health investigations. Provide technical assistance for Specimen Collection and Laboratory Testing

Measurement of Success: Training Evaluation How many calls went to CDPH&E knowing what to do vs. not what to do.

Topic: 2004 Annual Educational Conference and Exhibition

How Did You Decide This Is Important: The CEHA Bylaws require an Annual Educational Conference and Industry Exhibition. Also, surveys of membership and their training needs.

Specific Aim or Purpose: Educate Public Health and Environmental Health Professionals on Environmental Health programs, such as onsite waste water treatment, food borne illness, drinking water, zoonosis (plague, encephalitis, rabies, west nile virus, tularemia), bioterrorism, air quality, disease prevention in childcare and institutional settings, hazardous waste, pollution prevention, and environmental planning. The course is designed to meet the needs for Environmental Health Professionals involved in inspections/investigations of retail food establishments, food manufacturing establishments, childcare, waterborne, and vector-borne outbreaks, on-site waste water issues and advancements, air-quality planning and advancements, and solid and hazardous waste clean up.

Desired Outcome or Improvement Target: Enhance training, establish contacts throughout the state, exchange information, and discover new and practical solutions to environmental health issues.

Measurement of Success: Training Evaluation

Colorado Public Health Association (CPHA)

Topic: Hot Topics and other disease topics during Public Health in Colorado Meeting
How Did You Decide This Is Important: Input of membership on their training needs and feedback from previous meetings.

Specific Aim or Purpose: Educate Public Health and Environmental Health Professionals on management of disease outbreaks and the many lessons learned associated with such outbreaks. The presentations will target public health field workers and aid them learning both the conduct of their day to day and emergency response work.

Desired Outcome or Improvement Target: Attendees will enhance skills and knowledge in shoe leather epidemiology including conducting public health investigations and surveillance. Technical assistance and orientation will be provided on use of the expanded public health laboratory capabilities in Colorado.

Measurement of Success: Conference Evaluation Feedback to the planning staff.

Public Health Directors of Colorado

Topic: Building infrastructure in Colorado to respond to a tuberculosis outbreak within a community

How Did You Decide This Is Important: Recently, several communities in Colorado have experienced small TB outbreaks that had the potential of overwhelming the capability of a local health agency to provide the medical and public health resources to control the disease. Within the last 12 months, a TB outbreak occurred in Grand County that truly overwhelmed resources. That was a “wake-up” call for the entire state. TB is on the rise in Colorado and we need a system for moving limited state and local resources to an area in need. In addition, most communities will need increased technical assistance when such an outbreak occurs

Specific Aim or Purpose: To increase available state-wide technical assistance and resources to address a potential TB outbreak in a community

Desired Outcome or Improvement Target: 1) A statewide plan that outlines how a community can tap available resources in a short period of time when unusually high level of TB cases have been identified 2) Increase in availability of resources to fight potential outbreaks of TB

Measurement of Success: These “set-aside” resources and technical assistance will be used to fight an outbreak in a community. An additional outcome is that this statewide strengthening of infrastructure related to TB control should also give us better information on the extent of the growing TB problem in Colorado and should provide a roadmap for the future for how Colorado should deal with this increasing problem. It should also provide valuable information as to which areas of Colorado are most vulnerable for future outbreaks and which areas within Colorado need to strengthen their local programs. This ultimately should lead to a stronger state-wide program for fighting TB.

3—Inform, Educate, and Empower People about Health Issues

Western Colorado Association of Environmental Health Officials

Topic: : Determination of Environmental Health Priorities for Western Colorado Environmental Health Services

How Did You Decide This Is Important: ?) Based on observations and discussions with the WCAEHO group it has been determined that there are varying services provided by each county. WCAEHO would develop priorities and consistency of EH services and operations in Western Colorado.

Specific Aim or Purpose: To provide procedures and protocols for local health professionals in W. Colorado when developing operational guidelines for programs in their respective counties.

Desired Outcome or Improvement Target: To provide procedures and protocols for local health professionals in W. Colorado when developing operational guidelines for programs in their respective counties.

Measurement of Success: Success will be measured by approval by WCAHEO and distributed to CDPHE for review.

4—Mobilize Community Partnerships to Identify and Solve Health Problems

CDPHE--Office of Local Liaison

Topic: Mobizing for Action through Planning and Partnerships (MAPP)

How Did You Decide This Is Important: Technical assistance is expected as a follow-up to the MAPP Training as pilot sites move through the MAPP process.

Specific Aim or Purpose: Mobilize local communities to improve the health of its citizens.

Desired Outcome or Improvement Target: Facilitate communication between MAPP communities and state partners; Build partnerships with state and national level agencies/ organizations.

Measurement of Success: 1) Quarterly report on enhancements for community health assessment/profiles from data group; 2) Quarterly reports on contacts and enhanced capacities developed through collaboration with national and state system partners.

Western Colorado Association of Environmental Health Officials

Topic: Backflow/Cross-Connection Prevention in Retail Food Establishments

How Did You Decide This Is Important: Essential Service # 4: Mobilize Community Partnerships to Identify and Solve Health Problems Indicator 4.2: Technical Assistance and Support

Specific Aim or Purpose: This one-day seminar defined the hazards and the solutions to many potential cross connections in food establishments and opened lines of communication on backflow issues in Colorado. The target audience included retail food establishment and food manufacturing operators; commercial plumbers; beverage system and chemical dispensing system installers; and water, plumbing, building and environmental health officials

Desired Outcome or Improvement Target: Increased awareness of cross connection/backflow hazards associated with retail food establishments and food manufacturing facilities among environmental health and building inspectors, water purveyors, plumbers and food industry personnel. Emphasized the role of the environmental health specialist in identifying and effecting correction of backflow hazards in food facilities.

Measurement of Success: Forty-one people attended, including soda and dish machine providers, plumbers, backflow specialists, water purveyors, building department officials, and environmental health inspectors from Front Range and Western Slopes.

5—Develop Policies and Plans that Support Individual and Community Health Efforts

Colorado Association of Local Public Health Leaders

Topic: Public Health Statutes Improvement

How Did You Decide This Is Important: Identified as a priority project by the CALPHL membership at a quarterly meeting.

Specific Aim or Purpose: Improve Colorado public health law

Desired Outcome or Improvement Target: Identify improvement areas in Colorado public health law by comparing with the model standard developed by the Turning Point Project; develop strategies for improving statutes.

Measurement of Success: An improvement plan will be published which will report on improvement areas, strategies for improvement; and implementation steps.

6—Enforce Laws and Regulations that Protect Health and Ensure Safety

Colorado Association of Local Public Health Leaders

Topic: Food Safety Inspection Resources

How Did You Decide This Is Important: Identified as a priority of Colorado Counties, Inc. (Health & Human Services Committee) and a CALPHL prioritization discussion at a quarterly membership meeting. Local general fund support the majority of costs for inspection programs. Decreasing state and federal support for other essential local public health services has put pressure on local governments to shift local general fund to services that cannot be supported by user fees.

Specific Aim or Purpose: Assure long-term sustainability of local retail food safety inspections programs.

Desired Outcome or Improvement Target: Develop the capacity for local boards of health to establish license and/or inspection fees to cover the direct costs of operating local retail food service establishment inspections.

Measurement of Success: 1) Local boards of health receive authority to establish retail food safety fees locally; and 2) available local general fund is shifted to support other essential public health services.

Public Health Directors of Colorado

Topic: Food Safety Resources

How Did You Decide This Is Important: Identified as a priority of Colorado Counties, Inc. (Health & Human Services Committee) and a CALPHL prioritization discussion at a quarterly membership meeting. Local general fund support the majority of costs for inspection programs. Decreasing state and federal support for other essential local public health services has put pressure on local governments to shift local general fund to services that cannot be supported by user fees.

Specific Aim or Purpose: Assure long-term sustainability of local retail food safety inspections programs.

Desired Outcome or Improvement Target: Develop the capacity for local boards of health to establish license and/or inspection fees to cover the direct costs of operating local retail food service establishment inspections.

Measurement of Success: 1) Local boards of health receive authority to establish retail food safety fees locally; and 2) available local general fund is shifted to support other essential public health services.

Colorado Directors of Nursing (CDON)

Topic: Public Health Nursing and Emergency Competencies

How Did You Decide This Is Important: 2002 Educational Needs Survey identified training and educational needs of the current ph workforce. UCHSC post survey in 2004 will identify continuing educational needs of Colorado public health nurses.

Specific Aim or Purpose: To develop a statewide educational plan for building public health nursing competencies; to work in collaboration with national efforts; and to integrate PHN and emergency competencies for possible future PHN certification

Desired Outcome or Improvement Target: PHN competencies will be measurable through a standardized tool useful for hiring, promotion, and educational purposes.

Measurement of Success: Discussion will be documented in the Nursing Director and PHNAC meeting minutes. A statewide plan will address evaluation. Success is dependent on inclusion of a competency based practice model at the state and local agency level.

Topic: Updated edition of the Colorado Public Health Nursing Position Paper 2000

How Did You Decide This Is Important: The CPHN Position Paper 2000 was published four years ago. CPHN had discussed that there should be an update every 5 years. The last four

years have brought leadership opportunities for nurses to participate in bioterrorism response planning and new technological ways to work with the community.

Specific Aim or Purpose: This publication has been useful in recruiting nursing students to public health. It also educates and promotes the value of public health nursing to the community, public health colleagues, and policy makers.

Desired Outcome or Improvement Target: A publication that reflects trends of the last 4 years and what the future direction of public health nursing is.

Measurement of Success: A new edition of the Colorado Public Health Nursing Position Paper 2005 will be ready for distribution by December 31, 2005.

Colorado Professionals in Onsite Wastewater (CPOW)

Topic: Onsite Wastewater Treatment Training for Environmental Public Health Workers

How Did You Decide This Is Important: Membership surveys and anecdotal reporting

Specific Aim or Purpose: Increase the competency of wastewater professionals when dealing with onsite wastewater treatment.

Desired Outcome or Improvement Target: Provide/ support training events.

Measurement of Success: Track the number of participants at each training event to establish a baseline of impact.

Public Health Nurse Association of Colorado

Topic: Assure a competent Public Health and personal health care work force

How Did You Decide This Is Important: Colorado State Survey on Public Health Work Force Status age , education, training, knowledge and skills.

Specific Aim or Purpose: Improve and enhance Public Health practice and performance through development of a competent workforce.

Desired Outcome or Improvement Target: Development of a skilled and competent work force via Public Health Standards developed via resources

Measurement of Success: Number of members and their areas of expertise/experience identified and signed up to participate

Topic: Updated edition of the Colorado Public Health Nursing Position Paper 2000

How Did You Decide This Is Important: The CPHN Position Paper 2000 was published four years ago. CPHN had discussed that there should be an update every 5 years. The last four years have brought leadership opportunities for nurses to participate in bioterrorism response planning and new technological ways to work with the community.

Specific Aim or Purpose: This publication has been useful in recruiting nursing students to public health. It also educates and promotes the value of public health nursing to the community, public health colleagues, and policy makers.

Desired Outcome or Improvement Target: A publication that reflects trends of the last 4 years and what the future direction of public health nursing is.

Measurement of Success: A new edition of the Colorado Public Health Nursing Position Paper 2005 will be ready for distribution by December 31, 2005.

University of Northern Colorado--Community Health Education

Topic: Health Communication Planning

How Did You Decide This Is Important: National Public Health Performance Standards Assessment Matrix

Specific Aim or Purpose: Develop skills in the emerging public health workforce at the graduate level

Desired Outcome or Improvement Target: Develop skills in the emerging public health workforce at the graduate level

Measurement of Success: All students will attend a presentation and demonstrate the ability document health problems and describe culturally-appropriate interventions to reduce health disparities through discussion and a typed research paper or project.

9—Evaluate Effectiveness, Accessibility, and Quality of Personal and Population-Based Health Services

CDPHE--All Hazards Preparedness

Topic: Elements of Preparedness

How Did You Decide This Is Important: There is a current need for defined criteria around the Colorado Elements of Preparedness. The Elements are: Planning, Training, Exercises/Testing, Communication, Response, and Evaluation/Assessment. In 2004 these Elements were established as core components of the Colorado bioterrorism activities.

Specific Aim or Purpose: The Colorado Elements of Preparedness will provide state and local emergency preparedness guidance, provide criteria for complete bioterrorism programming, and establish measurable standards for implementation.

Desired Outcome or Improvement Target: To provide superior leadership and establish emergency preparedness criteria for state and local preparedness. The improvement focuses include an emphasis on measurement of the Colorado Elements for Preparedness, and the Statewide Exercise.

Measurement of Success: 1) The Bioterrorism and Emergency Preparedness Section will demonstrate success in the provision of superior leadership, and established standards for state and local communities, as related to the Colorado Elements of Preparedness (Planning, Training, Exercises/Testing, Communication, Response, and Evaluation/Assessment; 2) There will be an improved demonstration of readiness capacity through the completion of statewide exercises and coordinated testing of response capability; and 3) Nationally supported monitoring methods and tools will be used (i.e.Center for Disease Control and Prevention After Action Reporting method, and the Department of Homeland Security (DHS) (HSEEP Exercise Evaluation and Improvement Training).

CDPHE--Interagency Prevention Systems

Topic: Uniform Minimum Standards

How Did You Decide This Is Important: 9.1-Planning and Implementation (Evaluate Effectiveness...)

Specific Aim or Purpose: Uniform operation of federally and state funded prevention and intervention programs.

Desired Outcome or Improvement Target: Development and approval of Uniform Minimum Standards for Prevention and Intervention Programs

Measurement of Success: Approval of the UMS by the Board of Health; evidence of incorporation of UMS into RFPs and contracts; formal review of funded programs rated on level of application of UMS.

Topic: Web based data & reporting system

How Did You Decide This Is Important: Input from prevention and intervention services providers about the burden of multiple state reporting formats and not being able to access local program process and outcome data that is reported to the various state agencies.

Specific Aim or Purpose: Integrated data collection, evaluation and reporting system for federally and state funded prevention and intervention programs.

Desired Outcome or Improvement Target: A single web-based data-collection, evaluation and reporting system for prevention and intervention services that are funded by multiple state departments.

Measurement of Success: 1) Completed Data Requirements document; 2) Web-based system modified; 3) Trainings of pilot site staff completed, and pilot sites regular entry of data

beginning in October 2004; 4) A Management Committee and an Implementation Team will work with pilot sites to monitor and evaluate the use of the web-based system

CDPHE--Office of Local Liaison

Topic: Public Health Performance Improvement
How Did You Decide This Is Important: NPHPS Assessment Matrix; Priority determined by the Public Health Performance Improvement Collaborative
Specific Aim or Purpose: Monitor status of local and statewide public health performance improvement efforts.
Desired Outcome or Improvement Target: Facilitate, encourage and support success at the state and local level in achieving public health performance improvement objectives.
Measurement of Success: Quarterly progress reports will monitor the status of improvement plans; Interventions will be determined, implemented and cataloged in the PHPI Database.

Topic: Public Health Performance Improvement
How Did You Decide This Is Important: NPHPS Assessment Matrix; Priority determined by the Public Health Performance Improvement Collaborative
Specific Aim or Purpose: Support performance improvement efforts with new resources.
Desired Outcome or Improvement Target: Identify and obtain new funding focused on state and local public health performance improvement efforts.
Measurement of Success: Success will demonstrated by identifying potential funding sources and successfully securing grants. Quarterly status reports will be provided.

Topic: Public Health Performance Improvement
How Did You Decide This Is Important: NPHPS Assessment Matrix; Priority determined by Local Health Capacity Steering Committee and the Public Health Performance Improvement Collaborative
Specific Aim or Purpose: Facilitate and encourage a "learning culture" in the Colorado public health system around common themes from the PHPI Plans.
Desired Outcome or Improvement Target: Identify common themes from the Public Health Improvement Database upon which to establish learning groups to support and combine efforts for common objectives.
Measurement of Success: Development at least two functional learning communities with quarterly interactions; Develop efficiencies through collaboration and report at the end of the year.

Colorado Directors of Environmental Health

Topic: Colorado Onsite Wastewater Treatment Improvement Project
How Did You Decide This Is Important: A report from the ISDS Task Force formed jointly by the State Board of Health and the Water Quality Control Commission identified the need for an FTE at the state level to provide leadership, direction and coordination for addressing all the recommendations of the report. The recommendation included the Steering Committee believes that it is important to establish a meaningful state presence that can provide leadership and help advance the efforts by multiple jurisdictions to address the challenging issues related to onsite wastewater system management
Specific Aim or Purpose: The purpose of this project is to evaluate the current level of performance of local governments in managing onsite wastewater treatment systems in Colorado and to establish a self-sustaining statewide program of performance improvement.
Desired Outcome or Improvement Target: A joint task force formed by the Colorado Board of Health and the Colorado Water Quality Control Commission made thirteen recommendations for improvement of the onsite wastewater treatment program in Colorado (Attachment 1 - "Executive Summary"). This project would implement at least two key components of those recommendations in one year. Those components include: I. Evaluate local OSWT programs and report on performance statewide (Recommendations #2, #5); II. Establish

criteria for a basic local OSWT program (Recommendations #2, #6, #7); III. Establish option for a self-sustaining statewide OSWT Performance Improvement Program in collaboration with (or under the direction of) the OSWT Stakeholder Steering Committee (Recommendations #3, #8, #11); IV. Develop an OSWT Stakeholder Steering Committee composed of public health officials, local board of health representatives, state health officials, and industry representatives (Recommendation #9)

Measurement of Success: The following deliverables will be produced as a measure of success: 1) Report on current state of OWTS programs statewide; 2) "Model Local OWTS Program for Colorado" document; 3) list of options for establishing a self-sustaining program; and 4) Report with recommendations for the application of new technology/ processes in Colorado

Colorado Professionals in Onsite Wastewater (CPOW)

Topic: Colorado Onsite Wastewater Systems (OWS) Improvement Project

How Did You Decide This Is Important: A report from the ISDS Task Force formed jointly by the State Board of Health and the Water Quality Control Commission identified the need for an FTE at the state level to provide leadership, direction and coordination for addressing all the recommendations of the report.

Specific Aim or Purpose: The purpose of this project is to evaluate the current level of performance of local governments in managing onsite wastewater systems (OWS) in Colorado and to establish a self-sustaining statewide program of performance improvement.

Desired Outcome or Improvement Target: Participate in statewide efforts to achieve the following:I. Evaluate local OWS programs and report on performance statewide (Recommendations #2, #5)II. Establish criteria for a basic local OWS program (Recommendations #2, #6, #7)III. Establish option for a self-sustaining statewide OWS Performance Improvement Program in collaboration with (or under the direction of) the OWS Stakeholder Steering Committee (Recommendations #3, #8, #11)IV. Develop an OWS Stakeholder Steering Committee composed of public health officials, local board of health representatives, state health officials, and industry representatives (Recommendation #9)

Measurement of Success: The following deliverables will be produced as a measure of success: 1) Report on current state of ISDS programs statewide; 2) "Model Local OWS Program for Colorado" document; 3) list of options for establishing a self-sustaining program; and 4) Report with recommendations for the application of new technology/ processes in Colorado

Colorado Society of Public Health Education

Topic: Health Communication Planning

How Did You Decide This Is Important: Member Needs Survey

Specific Aim or Purpose: Develop skills in the public health educators to develop effective communication plans

Desired Outcome or Improvement Target: Participants will be guided through a process in which they: Use research to help describe and determine the causes of the health problem that you plan to address with an intervention, and to detail the audience segments affected by the problem; Explore a wide range of possible strategies for the problem; Systematically select the strategies that may show the most promise to help the audiences; Understand the role communication can play in planning, implementing and evaluating selected strategies; Develop a comprehensive communication plan that includes audience research, pre-testing, production, launch and evaluation at every stage

Measurement of Success: All students will participate in the interactive presentation and demonstrate ability to use the planning system and software resource by the end of the classroom session.

Topic: Action Research and Evaluation

How Did You Decide This Is Important: Membership needs survey

Specific Aim or Purpose: Increase the ability of public health educators to evaluate programs and improve performance of services

Desired Outcome or Improvement Target: The goal of the training is to provide participants with a practical framework for applying action research in a variety of health education settings. Action research involves cycles of planning, acting, observing and reflecting. When applied to practical day-to-day program operations, action research provides an evaluation framework that promotes program improvement, capacity development and accountability. Four research tasks will be described: 1) Research Design 2) Data Gathering 3) Data Analysis 4) Communication and 5) Action.

Measurement of Success: Success will be monitored by the number of attendees and course evaluations.

Public Health Directors of Colorado

Topic: Basic Health Services

How Did You Decide This Is Important: Although the State Board of Health adopted a list of basic and recommended public health services in 1984, since that time these have been largely ignored, leaving us with a patchwork quilt of public health services.

Specific Aim or Purpose: Work with the State Board of Health to establish and disseminate an updated list of basic and recommended personal health services, with implementation plans and delineation of authority.

Desired Outcome or Improvement Target: A list of basic personal health services which are being provided uniformly across the State of Colorado by local and regional public health entities

Measurement of Success: A periodic report will be required of all local public health entities, reporting on the level of success attained in the provision of the basic and recommended personal health services.

University of Northern Colorado--Community Health Education

Topic: Health Communication Planning

How Did You Decide This Is Important: National Public Health Performance Standards Assessment Matrix

Specific Aim or Purpose: Develop skills in the emerging public health workforce at the graduate level

Desired Outcome or Improvement Target: Public health graduate students will be guided through a process in which they: Use research to help describe and determine the causes of the health problem that you plan to address with an intervention, and to detail the audience segments affected by the problem; Explore a wide range of possible strategies for the problem; Systematically select the strategies that may show the most promise to help the audiences; Understand the role communication can play in planning, implementing and evaluating selected strategies; Develop a comprehensive communication plan that includes audience research, pre-testing, production, launch and evaluation at every stage

Measurement of Success: All students will participate in the interactive presentation and demonstrate ability to use the planning system and software resource by the end of the classroom session.

10—Research for New Insights and Innovative Solutions to Health Problems

Colorado Public Health Association (CPHA)

Topic: Public Health Improvement Plan Collaboration

How Did You Decide This Is Important: Bioterrorism requirements required us to evaluate Public Health capacity of the state and progress toward making improvements. The

Evaluation/survey was accomplished and key needs are being addressed through development of a PHIP.

Specific Aim or Purpose: To foster collaborative work to improve the capacity of the Colorado system to deliver PH services.

Desired Outcome or Improvement Target: Creation of PHIP actionable templates for use and discussion that will serve as a platform for continuous improvement in PH delivery in Colorado.

Measurement of Success: Conference Evaluation Attendance and participation on the Collaborative. Addition contributions to the overall PHIP by newly identified PH system members.

Local Public Health System Plans

Public Health Performance Improvement Plans were submitted by 39 local public health agencies. This is 72% of the total agencies. There are 15 local health departments and 39 public health nursing services providing public health services to the 64 counties in Colorado. According to the breakdown of participating agencies by type (Table 3), this yields participation rates of 67% and 74% for health departments and public health nursing services respectively.

Table 3 Number of Participating Local Agencies by Agency Type

Description	Number of Participants
Health Departments	10
Public Health Nursing Services	29
Total	39

1—Monitor Health Status to Identify Community Health Problems

Bent County Nursing Service Authority

Topic: Community Health Assessment

How Did You Decide This Is Important: ? We have spent a huge amount for the community health assessment to be done. We need to utilize the product and take advantage of the recommendations written and what the people wants us to concentrate our efforts in.

Specific Aim or Purpose: Establishment of a team of health-care partners that would serve as health advisory board for the community.

Desired Outcome or Improvement Target: 85% use of the assessment with regards to decision making regarding what is needed by the community/ population.

Measurement of Success: 100% decisions made to establish programs will be based on outcome and recommendations from the health assessment profile.

Broomfield Health and Human Services Department

Topic: Assessing Public Health and Environment Programs/Services within the City and County of Broomfield.

How Did You Decide This Is Important:)? Since Broomfield became a combined City and County, it has been a challenge to obtain health related data specifically for Broomfield residents. The City/County 3rd year anniversary is approaching this November and we feel data continues to be limited. A comprehensive assessment to identify health status, threats to health and health service needs is necessary to provide accurate public health and environmental services.

Specific Aim or Purpose: To provide a baseline data on public health threats, community health status, and assessment of public health services needed.

Desired Outcome or Improvement Target: Public health data regarding our strengths and weaknesses on public health threats, community health status and our public health services needed and/or improvements.

Measurement of Success: Public Health and Environment data collected and evaluated.

Develop, implement and/or tailor public health and environmental programs focus according to community data and needs, providing education around areas of improvement for community's health status with feedback from HHS and HHSAC. The process for monitoring action steps will be at least every 3 months. Ongoing evaluation of services provided will be done at least yearly

Cheyenne County Public Health

Topic: Community Assessment

How Did You Decide This Is Important: Community Health Assessment is due q 5 years to comply with PHN contract and is overdue. Need to update data. Adjoining county (Kiowa) is in the same situation and can combine forces to do a bi-county assessment project. Resources have become available to: a) use MAPP framework for partial assmt and b) collaborate with UCHSC to utilize nursing students for data gathering, analysis, and community presentation of data

Specific Aim or Purpose: Conduct a community assessment that provides updated information, meets PHN contract requirements, and is utilized for community health decisions including priority setting.

Desired Outcome or Improvement Target: By January 15 there will be an updated community health profile, using the Mapp Assessment Framework for Cheyenne/Kiowa County that can and will be used to develop community health plans.

Measurement of Success: Monitor activities on a monthly basis by tracking date completion of strategies and individual responsibilities Note level of community participation in the project for adequacy Consultant oversight indicates that contract requirements are being met, a MAPP process is used, and there is an interactive community process that contributes to the data gathering process Note whether the data comports with the community's perceptions or other reliable sources. Outcome Evaluation: By January, there is an updated, completed population based community health profile and analysis for Kiowa and Cheyenne County on record that meets contract requirements, is MAPP based, and is used in the development of community health priority setting and implementation of health plans. It corresponds to Public Monitor activities on a monthly basis by tracking date completion of strategies and individual responsibilities Note level of community participation in the project for adequacy Consultant oversight indicates that contract requirements are being met, a MAPP process is used, and there is an interactive community process that contributes to the data gathering process Note whether the data comports with the community's perceptions or other reliable sources. Outcome Evaluation: By January, there is an updated, completed population based community health profile and analysis for Kiowa and Cheyenne County on record that meets contract requirements, is MAPP based, and is used in the development of community health priority setting and implementation of health plans. It corresponds to Public Health Essential Service #1, and several of the indicators related to Essential Service #1.

Community Health Services, Inc.

Topic: Regional Community Health Assessment of the Roaring fork valley to include Pitkin, Garfield & Eagle County

How Did You Decide This Is Important: 1. 2004/04 Nursing Contract requirement. The Roaring Fork Valley which includes Pitkin, garfield & Eagle Counties share residents, resources & health care providers. A regional assessment would give us a better indication of unmet needs in the Roaring Fork Valley

Specific Aim or Purpose: Fulfill Nursing Contract for 2004/2005

Desired Outcome or Improvement Target: Compile & periodically update a community health profile using community health related objectives which may be used by other agencies
Measurement of Success: Periodically update community health profile by utilizing other agencies data collected for their own use. Monitor bits hits used to access community assessment on Pitkin County Web site.

Conejos County Nursing Service

Topic: Childhood immunizations
How Did You Decide This Is Important: Audit of past immunization rates in 2003 which places Conejos County at 58% for target population
Specific Aim or Purpose: To increase immunization rates in children under 36 months
Desired Outcome or Improvement Target: Immunization rates will increase 10% by December 2004
Measurement of Success: Audit information will be used to measure percentage increase.

Costilla County Nursing Service

Topic: Immunization Rate of 0-2 yr
How Did You Decide This Is Important: 38 recalls to 12 children in this age range. A lot of effort to get parents to comply with follow up appointments.
Specific Aim or Purpose: Children will return for next scheduled immunization in a timely manner. By age 2 children will be appropriately immunized.
Desired Outcome or Improvement Target: By age 2 >90% of our children will receive the 14 doses of vaccine that are recommended to prevent childhood diseases.
Measurement of Success: We will track return rates, number of recalls, and overall immunization rate for our children. Quarterly the team will get together to communicate issues or problems and make changes as needed. Monitor the consistency of immunization clinics and efficiency of data input .

Dolores County Nursing Service

Topic: Local Health Assessment
How Did You Decide This Is Important: This is a requirement for our nursing contract and every community needs to assess to define where there are and what needs to be addressed
Specific Aim or Purpose: Purpose Provide statistics about our community health and where the public in general feels there are Specific needs or desirable outcomes from public health.
Desired Outcome or Improvement Target: Establish goals and develop plans for our next planning phases as evidence from the community assessment.
Measurement of Success: Develop plan for the 5 following years, and monitor MCH and all state and regional data.

El Paso County Department of Health and Environment

Topic: Concern with developing a comprehensive understanding of our community's health to support planning and collaboration.
How Did You Decide This Is Important: The overall score for 1.1 was 62.95; however within the category scores ranged from 0 to 100. Completing a comprehensive community health status assessment as outlined in the Mobilizing for Action through Planning and Partnership guidance and creating a system for ongoing monitor is essential for improving our community's health.
Specific Aim or Purpose: To produce a Community Health Status Assessment by April 2005 and to institutionalize the process so that ongoing data are available.
Desired Outcome or Improvement Target: Raise to at least 50% all scores in 1.1 as a result of developing a comprehensive community health assessment and developing a system to produce the assessment on an ongoing basis.

Measurement of Success: The measure of success will be the comprehensive community health status assessment and the identification of an ongoing process for completing assessments.

Topic: Capacity to use Geographic Information Systems

How Did You Decide This Is Important: Original score from Capacity Assessment was 0.00

Specific Aim or Purpose: To improve our Public Health planning and assessment capabilities

Desired Outcome or Improvement Target: 10 employees are highly competent in the usage of GIS technology by May 2005

Measurement of Success: GIS users group continues to study best practices, evaluates EPCDHE usage against potential, develops and executes plans for improvement.

Garfield County Public Health Nursing Service

Topic: Regional Community Health Assessment of the Roaring Fork Valley to include Pitkin, Garfield & Eagle County

How Did You Decide This Is Important: 2004/05 Nursing Contract Requirement

Roaring Fork Valley which includes Pitkin, Garfield & Eagle Counties share residents, resources & health care providers. A regional assessment would give us a better indication of unmet needs in the Roaring Fork Valley

Specific Aim or Purpose: Fulfill Nursing Contract for 2004/2005

Desired Outcome or Improvement Target: Compile & periodically update a community health profile using community health related objectives which may be used by other agencies

Measurement of Success: Periodically update community health profile by utilizing other agencies data collected for their own use. Monitor lists used to access community assessment on garfield County web site.

Gilpin County Public Health Nursing Service

Topic: Monitor health status to identify community health problems

How Did You Decide This Is Important: Gilpin County had not conducted a full community health assessment in over 10 years Gilpin County did not have a public health advisory group or a formal group interested in the community health assessment

Specific Aim or Purpose: Form Community Health Assessment Project (CHAP) advisory board of 15 to 20 members from Gilpin County to guide the CHAP process and establish mission and vision. (Future purpose of CHAP advisory board: to evaluate and give credibility to results of CHAP process to contribute to the assessment process to be invested in working on the programs indicated by results of CHAP)

Desired Outcome or Improvement Target: Form Community Health Assessment Project (CHAP) advisory board of 15 to 20 members from Gilpin County to guide the CHAP process and establish mission and vision. (Future purpose of CHAP advisory board: to evaluate and give credibility to results of CHAP process to contribute to the assessment process to be invested in working on the programs indicated by results of CHAP)

Measurement of Success: Obtain commitments from 15 to 20 members of community to meet and discuss vision for health of Gilpin County by Sept 1, 2004

Conduct meeting, give information on CHAP process, and conduct visioning process
Obtain commitment of at least 15 members to continue process as advisory board for 18 months Complete statement of vision for the future of the health of Gilpin County

Hinsdale County Public Health and Community Services

Topic: Community Health Assessment and Profile

How Did You Decide This Is Important: The previous health assessment is 5 years old (1999).

Specific Aim or Purpose: To monitor health status by means of a community health assessment to identify community health problems and develop a community health profile using community health assessment data.

Desired Outcome or Improvement Target: Completion of a community health assessment and the development of a community health profile using community assessment data for the purpose to developing health plans for the next 5 years.

Measurement of Success: Completed assessment and development of a community health profile with number of presentations to the community and number of printed reports distributed. Also, documented use of community health profile for planning.

Jefferson County Department of Health and Environment

Topic: Population Based Community Health Profile

How Did You Decide This Is Important: Public Health Performance Assessment data & the Prioritization matrix

Specific Aim or Purpose: Establish a new baseline of community health

Desired Outcome or Improvement Target: To improve knowledge base of the health profile for county residents for future decisions

Measurement of Success: Completion of the report & information presented to stakeholders

Kiowa County Nursing Service

Topic: Community Assessment

How Did You Decide This Is Important: Community Health Assessment is due q 5 years to comply with PHN contract and is overdue. Need to update data. Adjoining county (Kiowa) is in the same situation and can combine forces to do a bi-county assessment project. Resources have become available to: a) use MAPP framework for partial assmt and b) collaborate with UCHSC to utilize nursing students for data gathering, analysis, and community presentation of data

Specific Aim or Purpose: Conduct a community assessment that provides updated information, meets PHN contract requirements, and is utilized for community health decisions including priority setting.

Desired Outcome or Improvement Target: By January 15 there will be an updated community health profile, using the MAPP Assessment Framework for Cheyenne/Kiowa County that can and will be used to develop community health plans.

Measurement of Success: Monitor activities on a monthly basis by tracking date completion of strategies and individual responsibilities. Note level of community participation in the project for adequacy Consultant oversight indicates that contract requirements are being met, a MAPP process is used, and there is an interactive community process that contributes to the data gathering process Note whether the data comports with the community's perceptions or other reliable sources. Outcome Evaluation: By January, there is an updated, completed population based community health profile and analysis for Kiowa and Cheyenne County on record that meets contract requirements, is MAPP based, and is used in the development of community health priority setting and implementation of health plans. It corresponds to Public Health Essential Service #1, and several of the indicators related to Essential Service #1.

Lincoln County Public Health Nursing Services

Topic: Community Health Assessment

How Did You Decide This Is Important: 1. Five year Community Health Plan will need to be done in 2005. 2. The Lincoln County Public Health Director is new to the office and not familiar with the community

Specific Aim or Purpose: To assess the health & needs of the community & monitor progress toward health related objectives.

Desired Outcome or Improvement Target: Develop programs and target health care needs specific for community

Measurement of Success: Educational and service programs for the top health needs identified by the Community Health Assessment will be developed. Policies will be developed

as needed for the programs. Evaluation of the program availability, accessibility & effectiveness

Mesa County Health Department

Topic: Health Communication - Health Dept Websites for NW and W Regions of Colo
How Did You Decide This Is Important: Increasingly, websites are used to access public health information. The type of information and functionality provided through individual health department websites varies greatly. In addition, most times one has to know the data exists.
Specific Aim or Purpose: Development of standards & tools that ensure Health Dept websites offer similar information & functionality & that it can be easily accessed. In addition, adhere to already existing standards such as the Health People 2010 Objective 11-4.
Desired Outcome or Improvement Target: The 16 County Health Depts in the NW and W regions will have websites that conform to the Health People 2010 Objectives & have continuity of functional capability.
Measurement of Success: With improved public health presence on county websites in 16 counties.

Montezuma County Health Department

Topic: Children's immunization rates
How Did You Decide This Is Important: Immunization registry shows only 61% Montezuma County 2 year olds are up to date on immunizations.
Specific Aim or Purpose: To increase immunization rates Montezuma County
Desired Outcome or Improvement Target: Increase number of children will be adequately protected from vaccine preventable diseases.
Measurement of Success: Immunization registry data regarding rates.

Ouray County Public Health Department

Topic: Child hood obesity
How Did You Decide This Is Important: The school nurses in our region meet quarterly. We discussed the prevalence of obesity in our districts school population. We decided collect the data we already record, document the results and use the data to prove the need for health education and improve cafeteria food i.e.: low fat menu selections.
Specific Aim or Purpose: Decrease childhood obesity in 5 school districts.
Desired Outcome or Improvement Target: Improve menus in 5 school districts and educate and change behavior of school age children by offering low fat menus.
Measurement of Success:

Prowers County Public Health Nursing Service

Topic: Community Assessment
How Did You Decide This Is Important: 1. Last assessment completed Jan 2000, demographic shifts & changes have occurred. 2. Need to fulfill CDPHE contract requirements.
Specific Aim or Purpose: Conduct community health assessment using primary & secondary data & share findings with the community, will utilize partial components of the MAPP Assessment framework.
Desired Outcome or Improvement Target: By March 31, 2005 there will be an updated community health assessment for Prowers County.
Measurement of Success: Completed community assessment document that meets current needs for planning & developing health priorities for the county by providing oversight of each step & eventually by determination of the following: 1. Evaluating whether the community assessment is comprehensive enough & includes adequate information 2. Ensure that

community participation is adequate. 3. Determine if it is consistent with the communities' perceptions. 4. Has been analyzed accurately

Pueblo City-County Health Department

Topic: Monitor Health Status to Identify Community Health Problems

How Did You Decide This Is Important: There are frequent requests by individuals & agencies within the community to access health data about the Pueblo community

Specific Aim or Purpose: Monitor health status of Pueblo to identify community health problems

Desired Outcome or Improvement Target: Recent information about Pueblo health indicators will be gathered and stored in a central accessible location

Measurement of Success: Local health data will have been gathered & stored in a central location

Rio Blanco County Nursing Service

Topic: Community Health Assessment using MAPP Process

How Did You Decide This Is Important: Community health assessment is required to be conducted every 5 years. The most recent assessment was done in 1998

Specific Aim or Purpose: To identify health needs and problems in Rio Blanco County

Desired Outcome or Improvement Target: Setup evidence-based planning, implementation & evaluation process: help in prioritizing initiatives given limited resources

Measurement of Success: Once assessment is completed community partners will be part of collaborative effort to address problems identified & then set priorities

San Juan County Nursing Service

Topic: Public Health, Prevention- Parent Education Need

How Did You Decide This Is Important: 2003 Community Readiness Assessment, rated community viewing the need for parent education at the infantile stage of denial and vague awareness

Specific Aim or Purpose: To achieve stronger parental linkage with our school drug prevention programs(K-12) and increasing the community's awareness for the need of parent education.

Desired Outcome or Improvement Target: The following noted community readiness strategies will be employed through May 2005 with advancement to the community stage of "pre-planning".

Measurement of Success: Focus groups will be scheduled March 2005. Will follow guidelines presented from the community readiness assessment strategies as listed above. Follow timetables presented. And reevaluate need with another community readiness assessment next April 2005.

Summit County Public Health Nursing Service

Topic: Public Health

How Did You Decide This Is Important: State Public Health nursing Contract requires community health assessment every 5 years. Summit County indicator project was done in 2000 and community health assessment in 2001.

Specific Aim or Purpose: Update county health information based on most recent data to better plan for appropriate public health activity and to understand general needs in community

Desired Outcome or Improvement Target: Data that will inform coordinated community activity to protect & improve the health of the community

Measurement of Success: Success will be monitored by progress toward completion of a health assessment. Time line will be developed & met. Information will be published & disseminated throughout community & region to inform program decisions and policy making.

Teller County Public Health

Topic: Community Health Assessment

How Did You Decide This Is Important: 1. Five year Community Health pPan will need to be updated in 2005. 2. Lincoln County Public Health Director is new to the office and not familiar with the community.

Specific Aim or Purpose: To assess the health & needs of the community & monitor progress toward health-related objectives.

Desired Outcome or Improvement Target: Develop programs & target health care needs specific for the community

Measurement of Success: Educational & service programs for the top Health needs identified by the Community Health Assessment will be developed. Policies will be developed as needed for the programs. Evaluation of the program for availability, accessibility & effectiveness

Tri-County Health Department

Topic: Community Health Assessment

How Did You Decide This Is Important: It was one of the top ranked essential services for improvement based on our agency's self-assessment.

Specific Aim or Purpose: Update and expand community health assessment to look at trends and identify areas of need.

Desired Outcome or Improvement Target: Identify areas where there are large gaps between the status of our communities and the health-related objectives to better focus future health planning efforts.

Measurement of Success: Through standardized & continual assessment of health data, we will be able to measure progress towards the Health People 2010 objectives.

2—Diagnose and Investigate Health Problems and Health Hazards in the Community

Alamosa County Nursing Service

Topic: Radio Communication in Emergencies

How Did You Decide This Is Important: A disaster exercise was held in Alamosa County. Evaluation of this activity reveals communication problems. A capacity assessment was completed with communication identified as a gap. There are analog and digital radios being used, and numerous channels without direction to each agency for communication.

Specific Aim or Purpose: To have consistent and effective radio communication among responders.

Desired Outcome or Improvement Target: There will be 100% capacity of the emergency response system to be able to interact verbally at a distance within Alamosa County.

Measurement of Success: An evaluation process will be followed after exercises for disaster preparedness are completed. There will be "practice sessions" periodically to test the radio communication capability. Project is successful if 100% of the emergency responders are able to communicate by radio.

Baca County Nursing Service

Topic: Emergency Preparedness

How Did You Decide This Is Important: Very much needed in our county, has taken a few years, but our group is up and running, plans are done & we are meeting 6 times a year. Tabletop has been done & full scale exercise was done on August 14, 2004.

Specific Aim or Purpose: County preparedness

Desired Outcome or Improvement Target: Want our LEPC group to keep meeting & improve on our emergency response.

Measurement of Success: Continued meetings & participation in activities planned.

Bent County Nursing Service Authority

Topic: Mass Vaccination exercise

How Did You Decide This Is Important: Plans have been written & submitted but not tested for accuracy & completeness

Specific Aim or Purpose: The test will be to stage exercises as often & practice response plans. Readiness is frequent practice. Ultimate purpose will be complete readiness for all Public Health staff.

Desired Outcome or Improvement Target: 100% of staff able to react & respond to emergency situations even if it is only a drill.

Measurement of Success: Every staff member will have copy of hazard plan & will understand the necessity of plan. Staff will actively suggest improvements of plan

Cheyenne County Public Health

Topic: Mass Vaccination Clinic

How Did You Decide This Is Important: The need to ensure that in the event of an actual infectious outbreak, our county would be able to respond effectively and efficiently.

Specific Aim or Purpose: Conduct a mass vaccination clinic using influenza vaccine so we can test and update our plans as needed.

Desired Outcome or Improvement Target: To ensure that all local and regional public health staff and first responders will be able to effectively respond in the event of an actual outbreak

Measurement of Success: Monitor activities on a monthly basis by tracking date completion of strategies and individual responsibilities.

Clear Creek County Nursing Service

Topic: Exercise Plans for Emergency Preparedness 2005.

How Did You Decide This Is Important: Post evaluation of Local Exercise of Mass Clinic Plan of 7/13/04

Specific Aim or Purpose: Increase knowledge of Public Health plans and improve performance of staff and partners at Exercise.

Desired Outcome or Improvement Target: Updated Public Health emergency plan and improved response of staff and partners to a public health emergency event.

Measurement of Success: Post exercise evaluation will show improvement compared to 7/04 Exercise evaluation.

Community Health Services, Inc.

Topic: Application of Incident Command Systems to West Nile Virus Activity in Pitkin County

How Did You Decide This Is Important: On April 1, 2004 the NW Public Health Preparedness Office and Pitkin County conducted an exercise based on a West Nile Event. At Executive Summary the decision was made to initiate an Incident Management Group to establish an Incident Command Structure where Public Health, Emergency Management and Environmental Health have a role.

Specific Aim or Purpose: To develop a strategy that will ensure safety of the public and provide timely, consistent and accurate information to the public on preventive measures, evidence of infected birds, mosquitoes and humans. To provide a cost-effective service and plan for future

Desired Outcome or Improvement Target: To reduce the potential for problems, such as a knee jerk reaction to an epidemic, with adequate planning, public education and resource allocation.

Measurement of Success: 1. Weekly updates of surveillance activity to the IMG. 2. Accurate and timely press releases to public for any positive mosquito, bird or human case. 3. Utilizing the IAP/ICS for other communicable disease outbreaks.

Conejos County Nursing Service

Topic: Emergency Preparedness

How Did You Decide This Is Important: Increased focus on disaster preparedness since 9/11

Specific Aim or Purpose: Conejos County will be prepared for public health emergency

Desired Outcome or Improvement Target: Conejos County will have an emergency plan in place that is tested at least annually and adjusted as needed

Measurement of Success: Analysis of exercises to identify areas of improvement

Costilla County Nursing Service

Topic: Emergency Preparedness

How Did You Decide This Is Important: Costilla County has a need to test the resource capacity in our own community in the event of an emergency. It is also important to test the response and communication capability involving multiple disciplines.

Specific Aim or Purpose: To determine the capability of this community's response system and to test the emergency response plan.

Desired Outcome or Improvement Target: As a result of the mock disaster weaknesses or deficiencies will be detected in the response plan. Improvements will be made. The response to an incident will be improved. Community awareness regarding the importance of disaster planning will be achieved

Measurement of Success: Evaluation by participants will be part of the exercise. Constructive information will be used to make changes to emergency response plan as needed. Plan will be updated every two years.

Custer County Public Health Nursing Service

Topic: Emergency Preparedness/ All Hazards Preparedness Planning by local Public Health Nursing Service.

How Did You Decide This Is Important: All hazards/ Emergency planning and training is a required activity of CDPHE All Hazards/ Bioterrorism contract.

Specific Aim or Purpose: Train community volunteers (both medical and non-medical) to work with Custer County Public Health Nursing Service in providing a Mass Prophylaxis / Immunization clinic utilizing influenza vaccination clinics as venue.

Desired Outcome or Improvement Target: Community volunteers will be trained to function in their designated roles of a Mass Prophylaxis / Immunization Clinic and will be able to demonstrate proficiency in those roles by the end of the exercise (Influenza vaccination Clinics).

Measurement of Success: Success will be measured by the number of individuals immunized, how well the clinics flow, and evaluation by public and volunteers.

Denver Health and Hospital Authority

Topic: Selection of appropriate locations for dispensing mass vaccinations/prophylaxis for the inhabitants of Denver County

How Did You Decide This Is Important: Should an emergency or bioterrorist event require mass vaccination and/or prophylaxis for a large portion of the population, Denver must have a plan to receive large quantities of vaccines/antibiotics that would arrive as part of the SNS package; DPH must have an efficient method to distribute mass vaccinations/prophylaxis to all residents in the City and County of Denver.

Specific Aim or Purpose: Given a hypothetical number of mass vaccination/prophylaxis sites (N=25, based on projected staffing capacity, throughput/hour, and a 3-day limit to reach our goal of serving approximately 560,000 residents and visitors), determine the best pattern and geographic configuration for those sites to efficiently serve the population of Denver (residents and visitors) Calculations: $560,000 \text{ persons} / (24 \text{ hours/day})(3 \text{ days of operation})(25 \text{ sites}) = 311$

persons per hour (approximately 5-6 persons/minute) with full staffing round the clock; Utilizing census data, evaluate site characteristics, GIS analytic tools and determine the best geographic distribution for the given number of sites.

Desired Outcome or Improvement Target: Given a hypothetical number of mass vaccination/prophylaxis sites (N=25, based on projected staffing capacity, throughput/hour, and a 3-day limit to reach our goal of serving approximately 560,000 residents and visitors), determine the best pattern and geographic configuration for those sites to efficiently serve the population of Denver (residents and visitors) Calculations: $560,000 \text{ persons} / (24 \text{ hours/day}) (3 \text{ days of operation}) (25 \text{ sites}) = 311 \text{ persons per hour}$ (approximately 5-6 persons/minute) with full staffing round the clock. Utilizing census data, evaluate site characteristics, GIS analytic tools and determine the best geographic distribution for the given number of sites.

Measurement of Success: Write a document that serves as a first draft, immunoprophyllaxis/chemoprophyllaxis distribution plan; Conduct a series of focused meetings with DPH staff, Denver Office of Emergency Operations and CDPHE to review the document, provide feedback and assess face validity; Develop a test exercise that assesses the calculation/estimates made for throughput for a facility; Develop evaluation templates for this and subsequent exercises. Coordination and regionalization; Present the plan to Denver metro North Central Region for review and comment; Discuss the plan with bordering counties and jurisdictions to assure site Denver County site selection is appropriate and avoids potential for duplication or excessive proximity of services across county borders; Develop a plan to conduct a similar analysis at the regional level; Evaluate dispensing sites and overall SNS plan considering; Communication of structure and systems (between dispensing sites, with the ICS or Health Emergency Operations Center, police, DPH, OEM, sub-regions and bordering regions), Security, Staffing and volunteer capacity and requirements; Recruiting and training; Push/pull theory evaluation (mobile dispensing vs. on-site); Hours of operation on sites consistent with outlying regions; ICS integration; Credentialing practices (Denver Sheriff's department); Legal review by Denver Health legal staff; Define requirements and functions for each of these components and develop and conduct a table-top exercise to evaluate capacity to efficiently address these requirements and functions; Define next action steps in revising the plan for Denver County and the metro region.

Denver Health and Hospital Authority

Topic: Local and/or state public health has a system to divert existing workforce to function in specific emergency response roles, while maintaining core public health functions.

How Did You Decide This Is Important: This is a key indicator in the Draft Public Health Preparedness Indicators, (October 2003, Centers for Disease Control and Prevention, Office of Terrorism Preparedness and Emergency Response [OTPER]) Absence of well-developed public health definitions for: 1) all-hazards, and 2) escalating or multiple emergencies Absence of local consensus on 1) what are core public health functions to be maintained and 2) what existing workforce could be diverted.

Specific Aim or Purpose: Provide DPH management with a clear definition and plans for what core public health functions must be maintained during an emergency; who on the existing work force may be diverted during an emergency; how we will inform and train those individuals on new roles and responsibilities; when and where we will test and train on those new responsibilities

Desired Outcome or Improvement Target: An explicit emergency escalation plan with job action sheets, training dates, measures of training and evaluations.

Measurement of Success: Consensus and understanding among management team will be reached regarding DPH roles and responsibilities in event of a hazard; Public health employees can identify and explicitly state the relation of core functional activities with an all-hazards emergency response; Development of an explicit, tested, job action plan for workforce escalation during emergencies; Measure new knowledge of emergency roles and responsibilities by DPH employees; Determine change in throughput for core essential services during an exercised crisis (table top).

Dolores County Nursing Service

Topic: Develop Communication Risk Management Plan

How Did You Decide This Is Important: It is one of our requirements from our contacts. It is important to establish communication and information networks and protocols pre-event.

Specific Aim or Purpose: Develop a communication plan pre-event and use it during drills to establish guidelines for dealing with a variety of situations and ensure staff and communicators are familiar with procedures and their roles in the event of a crisis.

Desired Outcome or Improvement Target: To factually assess the situation and determine whether a communications response is warranted and implement immediate action needed.

Measurement of Success: Test plan during regional/local/or state exercise.

El Paso County Department of Health and Environment

Topic: Concern with facing overwhelming casualty surge within Colorado Springs/El Paso County and increasing surge capacity.

How Did You Decide This Is Important: Our community has been struggling with realizing as few as 100 severe casualties overwhelm our three hospitals (two systems); hospitals go on "divert" several times a month; a catastrophic event would cripple our medical system; MMRS doesn't "kick in" until there have been 3,000 chemical or radiological casualties or 10,000 biological casualties!

Specific Aim or Purpose: To continue to bring together all partners in the community to address this public health crisis in planning for public health emergencies.

Desired Outcome or Improvement Target: Reduction of incredible gap between the threshold that overwhelms the medical community in a mass casualty and that when all partners as well as outside aid come together under MMRS

Measurement of Success: Improved relationships; tabletop evaluations; development of more complete and usable plans

Fremont County Public Health Nursing Service

Topic: Investigate & Respond to Public Health emergencies

How Did You Decide This Is Important: Our agency has 5 RN's. I feel that none of us are prepared to do the evaluations & proper investigation without further training.

Specific Aim or Purpose: To make our entire staff knowledgeable so they can respond to outbreaks, hazards, disasters and threats.

Desired Outcome or Improvement Target: Case investigation protocols will be in place including source & contact tracing for communicable diseases or toxic exposures. All staff will be knowledgeable regarding investigations.

Measurement of Success: By evaluating response of staff to emergencies following each drill.

Gilpin County Public Health Nursing Service

Topic: Diagnose and investigate health problems and health hazards in the community.

How Did You Decide This Is Important: Gilpin County did not have a mass prophylaxis plan as of April 1, 2004. Gilpin County had not trained or tested a mock clinic plan through mock exercises. Gilpin County had not tested coordination and communications with mutual aid agencies during a mock clinic exercise.

Emergency preparedness for mass prophylaxis and interagency communications is important not only related to bioterrorism but also many other potential community emergency needs.

Specific Aim or Purpose: Provide local health personnel and mutual aid partners with training and experience in mass prophylaxis clinic set up and operations in order: to be better prepared to respond in an actual emergency and to discover areas of improvement needed in the plan and the clinic operation

Desired Outcome or Improvement Target: Local health personnel and first responders trained in ICS/NIMS and experienced in mock mass prophylaxis clinic set-up and operation with mutual aid partners before September 1, 2004.

Measurement of Success: Attendance of local health personnel and first responders, especially those who have not participated in ICS/NIMS training or any similar exercises in the past Attendance of mutual aid personnel, especially those who have not participated in Gilpin County or had similar training and experience in the past Debriefing responses for improvement measures documented on forms provided and verbally by those in attendance (25% verbally and 50% of written responses with specific comments on what worked and what could be improved) Positive responses on written evaluation at 75% or above Local and mutual aid personnel express increased level of confidence in ability to function in real clinic situation Appropriate amendments made to plan by Sept 30, 2004

Gunnison County Public Health

Topic: Epidemiologic Investigation, Emergency Response for Non-Public Health ER Nurses
How Did You Decide This Is Important: Local assessment and results of past event analysis (2/04)

Specific Aim or Purpose: Improve current epidemiologic case investigation protocols locally to include Gunnison Valley Hospital ER staff, initiating investigation when appropriate for more rapid response.

Desired Outcome or Improvement Target: Establishment of trained hospital ER staff in protocols for epidemiologic investigation so that emergency response to an outbreak will be improved in Gunnison County

Measurement of Success: Protocols for ER staff will be written and at least one training will be given yearly to hospital ER staff by public health staff.

Hinsdale County Public Health and Community Services

Topic: Identification and Surveillance of health threats

How Did You Decide This Is Important: Local Public Health Performance Assessment

Specific Aim or Purpose: Improve surveillance of health threats

Desired Outcome or Improvement Target: To develop a plan for surveillance, reporting, investigating and analyzing health threats and a procedure to alert the community to possible health threats and disease outbreaks

Measurement of Success: Test the system with an exercise focused on the epidemiologic response and investigation including use of procedure to alert the community.

Kiowa County Nursing Service

Topic: Mass Vaccination Clinic

How Did You Decide This Is Important: To ensure that in the event of an actual outbreak our counties would be able to respond effectively and efficiently.

Specific Aim or Purpose: Conduct a mass vaccination clinic using influenza vaccine so we can test and update our plans as needed.

Desired Outcome or Improvement Target: To test our local and regional resources and response in the event of an actual outbreak

Measurement of Success: Monitor activities on a monthly basis by tracking date completion of strategies and individual responsibilities.

Lincoln County Public Health Nursing Services

Topic: West Nile Virus

How Did You Decide This Is Important: Eight positive Human cases (3 fatalities) of West Nile in Lincoln County in 2003

Specific Aim or Purpose: Collect information from community health professionals, continue surveillance of mosquito pools, investigate human cases of WNV, educate the public on mosquito control, and the distribution of mosquito dunks & DEET.

Desired Outcome or Improvement Target: Decrease the number of positive human cases of WNV.

Measurement of Success: Lincoln County will have a decreased amount of human cases of west Nile Virus than in previous years.

Mesa County Health Department

Topic: Environmental Health Emergency Preparedness

How Did You Decide This Is Important: Currently, environmental health staff have no training or protocols for responding to public health emergencies. Roles are poorly defined.

Specific Aim or Purpose: Identify foreseeable emergencies involving environmental health incidents, Develop written protocols outlining procedures in specific and general incidents, Seek and provide training to prepare environmental health staff for emergent public health challenges.

Desired Outcome or Improvement Target: Increase staff awareness of their roles in emergencies involving environmental health department. Provide template response documents. Provide training to prepare EH staff for their role in such incidents.

Measurement of Success: At least 10 of 13 EH staff will attend the planning/prioritization sessions or individual discussions by September 30, 2004. At least three top priority emergency response protocols will be outlined by December 31, 2004. At least one training will be provided by February 28, 2005, a second by May 31, 2005, and third by August 31, 2005, with additional trainings to be determined after that. At least 10 of 13 EH staff will participate in each of three emergency training sessions. COTRAIN will be used to record and track training.

Montezuma County Health Department

Topic: Identification and surveillance of health threats

How Did You Decide This Is Important: Inconsistent reporting of possible health threats by local providers.

Specific Aim or Purpose: Improved recognition and response to public health emergencies by medical providers and local public health.

Desired Outcome or Improvement Target: Trained response teams with specific protocols for responding to a public health emergency.

Measurement of Success: Increased communications and disease reporting between medical providers and local public health agencies; Development of response team; Ability to identify and address gaps in infrastructure with BT team

Northwest Colorado Visiting Nurse Association, Inc

Topic: Plan for Public Health Emergencies

How Did You Decide This Is Important: need for increased Public Health staff knowledge of Incident Command System & Bioterrorism

Specific Aim or Purpose: Familiarize Public Health staff with Incident Command system

Desired Outcome or Improvement Target: Staff will experience ICS system and their role in an event.

Measurement of Success: Discussion with nurses involve: develop plan to train other Public Health staff on Incident Command System

Northwest Colorado Visiting Nurse Association, Inc

Topic: Identification & Surveillance of Health Threats

How Did You Decide This Is Important: Recurrent reports of pool-borne illnesses

Specific Aim or Purpose: Increase surveillance efforts & community education in tandem with Environmental Health officials

Desired Outcome or Improvement Target: Staff will continue timely monitoring & interventions to reduce number of occurrences and outbreaks

Measurement of Success: Continued surveillance and monitoring through use of CEDRS, reduction in number of occurrences

Otero County Department of Health

Topic: Public Health Preparedness and Response to Bioterrorism (All-Hazards)

How Did You Decide This Is Important: In order to respond to emergency situations, the Otero County Health Department needs to maintain a roster of personnel (OCHD Staff, other local entities, CDPHE staff) with the technical expertise to respond to potential biological, chemical, or radiological public health emergencies.

Specific Aim or Purpose: Develop and maintain a roster of personnel (OCHD Staff, other local entities, CDPHE staff) with the technical expertise to respond to potential biological, chemical, or radiological public health emergencies.

Desired Outcome or Improvement Target: This roster will be maintained in the "Ready Folders" in all OCHD offices.

Measurement of Success: Development and maintenance of rosters in all "Ready Folders" located in all OCHD offices.

Pueblo City-County Health Department

Topic: An updated Emergency Operations Plan

How Did You Decide This Is Important: Plan created in 2002 and has not been revised

Specific Aim or Purpose: To have every section of the plan accurately reflect the newest information developed over the last 2 years.

Desired Outcome or Improvement Target: To have an updated Emergency Operations Plan that employees at Pueblo City-County Health Department are familiar with.

Measurement of Success: Possession of new Emergency Operations Plan by 100% of staff. Attendance by 98% of staff at informational staff meeting.

Rio Blanco County Nursing Service

Topic: All Hazards Emergency Preparedness

How Did You Decide This Is Important: All Hazards Emergency Preparedness has been given to Public health agencies nationwide as their task in order to assure communities can effectively respond to any emergency situation

Specific Aim or Purpose: To assure an effective and realistic plan is in place that addresses all hazards & to investigate and respond to public health emergencies

Desired Outcome or Improvement Target: Community collaboration & communication is improved, testing of plans on a regular basis, plans are evaluated yearly, maintaining up-to-date listing of all emergency contacts both for all hazards and communicable disease, continual re-evaluation of process and outcomes

Measurement of Success: Community plans are up to date and effective based on table top exercises, post exercise evaluations. All emergency contacts are kept current & tested frequently.

San Juan County Nursing Service

Topic: Increase collaboration amongst county first responders and this Nursing Service.

How Did You Decide This Is Important: Re: Public health emergency responder- this nursing service's role has limited recognition and acceptance from first responders, e.g. EMS, fire, search & rescue, sheriff's dispatcher (president of co.'s Emergency Management Council/EMC). Nursing Service not invited to join EMC, struggled to gain active voting

membership, once membership gained received little or no notice of upcoming meetings, e.g., received phone call from president 20 minutes into meeting. Sheriff dispatcher/EMC president antagonistic towards information shared from this office, e.g., small pox /mass IZ plan and SP vaccination vaccine material. New emergency planner on board May 2004 (previous planner deputy from sheriff's office who had little involvement in EMC and other needed activities). Positive response from new planner who is engaging and sees "Big Picture" and recognizes importance of public health role. Continued work to build relationships is still sorely needed in her assessment and ours.

Specific Aim or Purpose: To improve our working relationship with our county emergency partners.

Desired Outcome or Improvement Target: Regular attendance at EMC meetings with public health presentations/input as appropriate. Involvement of public health in planned exercises and interventions as they arise.

Measurement of Success: Have positive interactive relationships with community partners through attendance at EMC meetings, acknowledgements of quarterly HAN alert tests, notification of scheduled EMC meeting on a timely basis, and feedback received from meeting presentations.

Summit County Public Health Nursing Service

Topic: Emergency preparedness

How Did You Decide This Is Important: County wide plan for notification of public of health threats and disease outbreak not coordinated. In particular coordination of PIOs not happening yet. Plan not in place to coordinate information release through which PIO when.

Specific Aim or Purpose: To develop county PIO group to provide venue for education around response to emergencies or disasters in county/community/region/etc To develop this group in the context of Incident Management Group using ICS/NIEMS structure.

Desired Outcome or Improvement Target: Coordinated working group of County PIOs prepared to function as one in the case of emergency and /or disaster.

Measurement of Success: Countywide cooperative of PIOs in place to include Public Health

Tri-County Health Department

Topic: Assessing readiness plans through exercises.

How Did You Decide This Is Important: National Public Health Performance Assessment Results.

Specific Aim or Purpose: Determine the adequacy of TCHD preparedness plans through exercises and evaluation.

Desired Outcome or Improvement Target: Reduce the number of areas for improvement identified by 10% during each consecutive exercise conducted.

Measurement of Success: Success will be measured against completion of identified critical tasks by staff involved in each exercise and compared with 10% goal. Tasks not completed will be addressed to determine if plans and protocols need to be changed as appropriate.

Weld County Department of Public Health and Environment

Topic: Exercise our Weld County Mass Prophylaxis Plan

How Did You Decide This Is Important: The WCDPHE has never exercised any of our emergency plans. It is vital to exercise these plans in order to improve them, and to ensure that Health Department staff are trained for emergency response.

Specific Aim or Purpose: To improve the WCDPHE Mass Prophylaxis Plan and WCDPHE staff emergency response capabilities.

Desired Outcome or Improvement Target: 1. Health Department staff will gain experience working with other first responder agencies in a Public Health emergency. 2. Health Department staff will gain experience in Incident Command. 3. The WCDPHE will identify the strengths and weaknesses of the Weld County Mass Prophylaxis Plan.

Measurement of Success: The WCDPHE will review the exercise evaluations provided by evaluators during the exercise, as well as the After Action Report, which will identify the areas that need improvement. These identified areas will be used to revise and update the Weld County Mass Prophylaxis Plan. These revisions will be tested should the opportunity for subsequent exercises arise.

3—Inform, Educate, and Empower People about Health Issues

Montrose Health and Human Services

Topic: Child & Youth Safety

How Did You Decide This Is Important: Anecdotal note: 90% of school age children & adolescents riding through HHS grounds do not have helmets.

Specific Aim or Purpose: Provide helmets to those children & families who do not have bicyclehelmets, provide education on a proper use by police department personnel.

Desired Outcome or Improvement Target: Increased use of bike helmets by children & youth.

Measurement of Success: Track numbers of helmets and sizes to determine age , use and need.

Prowers County Public Health Nursing Service

Topic: Inform, educate, and empower county residents about health issues R/T community assessment

How Did You Decide This Is Important: It is important that the work of completing a community assessment is shared and developed with the residents of the county to inform, educated and empower them to make decisions about the health issues of the county.

Specific Aim or Purpose: To ensure that there is a shared vision for a healthy community and to utilize limited resources appropriately by prioritizing.

Desired Outcome or Improvement Target: Community Mobilization and action on community assessment to begin by March 2005.

Measurement of Success: 1) will continue to evaluate health statistics, primary and secondary, along with demographic data on a annual basis to determine health trends and needs of the community, will work with other agencies to ensure that collaboration is threaded through the community horizontally and vertically. This will ensure that perceived and real health issues are addressed appropriately with the limited resources that are available.

Teller County Public Health

Topic: Inform, Educate and Empower People about Health Service

How Did You Decide This Is Important: TCPH vision is "Healthy Mountain Living" and historically looks at increasing awareness of health lifestyle thru past programming such as WHAM (Well and health adults at midlife), immunizations, family planning, diabetes thru baseline local survey's, focus groups and state recommendations

Specific Aim or Purpose: TCPH effectively invests, manages and utilizes the local and state human, information, technology and financial resources through allocating existing resources collaborating to leverage system-wide resources and gaps in service

Desired Outcome or Improvement Target: TCPH systematically review effectiveness health education/promotion intervention and applies findings to improve health communication and health education/promotion interventions. More informed public across all populations and socio-economic status to limit progression and/or delay of onset. Early detection and increasing access to intervention

Measurement of Success: Individual Program Evaluation and Community Assessment done by students.BRFSS, CYS and YRBS will be conducted annually for the next 4 year s

Weld County Department of Public Health and Environment

Topic: Identification of Populations with barriers to basic health service

How Did You Decide This Is Important: Our experience has been these diverse populations have been missed for preventative services, immunizations, education. We used our assessment data .

Specific Aim or Purpose: Provide immunization services to homeless populations

Desired Outcome or Improvement Target: Increase awareness in homeless shelter staff

Measurement of Success: Count Number of referrals. Establish a baseline, then strive to increase immunizations over baseline in subsequent years.

4—Mobilize Community Partnerships to Identify and Solve Health Problems

Alamosa County Nursing Service

Topic: Tuberculosis

How Did You Decide This Is Important: As of July 1 , 2004, Alamosa County receives no contract \$ for TB surveillance, screening or diagnosis. It is necessary to determine our local protocol defining when to seek technical assistance from the state versus when to seek technical assistance from our Medical Director. Partnerships will alleviate the total burden of county expense for TB.

Specific Aim or Purpose: To assure that people at risk for TB receive the necessary screening, diagnosis and treatment, and to assure that contacts do not have the disease and the potential for spread is limited.

Desired Outcome or Improvement Target: A protocol will be developed to maximize the services and expertise of community partners.

Measurement of Success: A document with the protocol will be included in the policies and procedures manual at Alamosa County Nursing Service. Physicians will be asked to report completion of treatment to Alamosa County Nursing Service

El Paso County Department of Health and Environment

Topic: Developing and sustaining effective community partnerships

How Did You Decide This Is Important: Score from the Public Health Standards Assessment is 33.33: There are 108 community collaborations in which the EPCDHE has staff participating at some level. As a result of the Healthy Communities Access Program (HCAP) grant evaluation process, we became aware of a standardized tool that assists in measuring 5 areas of performance for: Context, Structure, Collaboration members, Collaboration process and Results. Apply this tool to 2-6 partnerships.

Specific Aim or Purpose: Create a pilot study to establish process within the Dept and our partners. Improve the functioning of partnerships. Prioritize and focus EPCDHE resources.

Desired Outcome or Improvement Target: By Jan. 2006, 2 partnerships will have completed the assessment, analysis, and written improvement plan. If funds available for an evaluator's assistance that number can be increased 3X. Overall improved score in ES#4

Measurement of Success: Measure of change process success built into the plan--periodic reports

Garfield County Public Health Nursing Service

Topic: Local Emergency Planning Committee (LEPC) and Safety Committee for Garfield County

How Did You Decide This Is Important: County was lacking a Local Emergency Planning Committee as well as a Safety committee to address growing oil and gas industry, Interstate and rail transportation of hazardous materials, and emergency preparedness with all partners involved.

Specific Aim or Purpose: To be recognized on a county level and by county commissioners as an organized LEPC/Safety Committee

Desired Outcome or Improvement Target: To have a functioning LEPC with county, cities, oil and gas, and community members. To have a functioning Safety Committee to address all hazards plans, trainings, and health issues.

Measurement of Success: Continue to recruit and invite new partners to join committee. Evaluate and monitor data collected on industries with hazardous materials. Continue to assess, revise and practice county wide all hazard emergency plans with all partners.

Mineral County Public Health

Topic: Current directory of organizations that comprise the LPHS

How Did You Decide This Is Important: The National Public Health System Performance Assessment Instrument (EPHS 4-1-3) had a score of 0. EPHS 4 had a score of 12 (Mobilize Community Partnerships)

Specific Aim or Purpose: Develop and maintain directory of local public health organizations for easy access in an all-hazards disaster in Mineral County or in the State of Colorado.

Desired Outcome or Improvement Target: A list of all organizations and contacts within organization in electronic and hard copy formats.

Measurement of Success: Response to quarterly to local health alerts. Update information as necessary.

5—Develop Policies and Plans that Support Individual and Community Health Efforts

Mesa County Health Department

Topic: Epidemiologic Investigation Emergency Response

How Did You Decide This Is Important: Local Public Health Performance Assessment

Specific Aim or Purpose: Improve current epidemiologic case investigation protocols to guide immediate investigations of public health threats and outbreaks.

Desired Outcome or Improvement Target: Establish trained epidemiologic teams with specific guideline and protocols for responding to a public health emergency.

Measurement of Success: Test the system with an exercise focused on the epidemiologic response, investigation and equipment usage including the debriefing process.

Mineral County Public Health

Topic: Public Health Policy Development

How Did You Decide This Is Important: Colorado Youth Survey; Tobacco Education Alliance of Mineral County survey

Specific Aim or Purpose: Decrease access of tobacco to youth

Desired Outcome or Improvement Target: County ordinance limiting access of tobacco to youth

Measurement of Success: Youth possession ordinance will be passed by County and City.

7—Link People to Needed Personal Health Services and Assure the Provision of Health Care when Otherwise Unavailable

Baca County Nursing Service

Topic: Improve WIC Numbers

How Did You Decide This Is Important: State data has our WIC caseload at 125 - 130 most of the time, & Baca County Nursing Staff would like to increase our caseload back up closer to 200

Specific Aim or Purpose: Serve more residents in Baca County
Desired Outcome or Improvement Target: Increase our number of WIC clients & better educate our young mothers about what they are eating & improve their health
Measurement of Success: State count of WIC caseload

Clear Creek County Nursing Service

Topic: Clear Creek County specific health and human services data collection process.
How Did You Decide This Is Important: MAPP Assessment of 2003 completed by Clear Creek County Nursing Service
Specific Aim or Purpose: Establish a community specific data collection process for Clear Creek County to evaluate the health and human services needs of Clear Creek County citizens.
Desired Outcome or Improvement Target: Development of a data collection process to assist with determination of health and human service needs of specific populations by County geographic location.
Measurement of Success: Questionnaire/survey will be developed and distributed that will gather information regarding health and human service needs as they relate to specific locations and populations in the county.

Park County Public Health Nursing Service

Topic: Linking Medicaid Clients to Services
How Did You Decide This Is Important: Proficiency was at 16.7 according to data from the Critical Capacity Assessment received from the Central Region
Specific Aim or Purpose: To assure that people are linked to personal health services
Desired Outcome or Improvement Target: Park County Public Health will have contacted 90% of newly eligible Medicaid clients to assist with connecting into services by year end 2004
Measurement of Success: Numbers of persons on Medicaid will have increased by December 2004. Numbers of persons newly eligible for Medicaid between September 2003 and March 2004 was 75. 90% of these clients were contacted through EPSDT. It is felt that this trend will continue because the EPSDT contract is being renewed. Numbers of children meeting with medical providers will have increased by the end of 2004. Spanish Translators and Language line will continue to be in place. Mental Health and the Resource Exchange will have been included in the emergency preparedness plans. Promotional brochure develop on neighbor helping neighbor program distributed throughout county.

Rio Grande County Public Health

Topic: Inter-agency Communication
How Did You Decide This Is Important: Feedback concerning need for clear communication from partner agencies.
Specific Aim or Purpose: To improve the level of communications as it relates to interagency health program coordination (specifically the EPSDT program.)
Desired Outcome or Improvement Target: The development of a system to improve dialogue bet. RGCPH as the lead agency and involved agencies to send timely and consistent messages and to receive input and feedback. EPSDT clientele will be better served as a result of improved communication.
Measurement of Success: File documenting outgoing and incoming communication, meetings, and telephone calls. Positive feedback indicating that communication has improved.

8—Assure a Competent Public and Personal Health Care Workforce

Clear Creek County Nursing Service

Topic: Public Health Workforce Assessment as it relates to Public Health Emergency Preparedness –2004-2005

How Did You Decide This Is Important: Results of Local Public Health System Performance Assessment of 2003

Specific Aim or Purpose: Determine the Public Health workforce capability for handling public health emergencies .

Desired Outcome or Improvement Target: Process will be developed to determine skills, competencies, and knowledge of workforce, categories and number of personnel in workforce, and training needs.

Measurement of Success: Process developed , established a current list with workforce specifics, and a scheduled plan to meet training needs.

Gunnison County Public Health

Topic: Local Nurse Workforce Development

How Did You Decide This Is Important: Local assessment. National Public Health Performance Standards prioritization matrix for West Central and Northwest Regions

Specific Aim or Purpose: Address local nurse staffing shortages in all areas of the LPHS for present & future needs through the development of a collaborative process resulting in a strategic plan.

Desired Outcome or Improvement Target: Gunnison County will have a comprehensive strategic plan for nurse workforce development to meet current and future needs.

Measurement of Success: Strategic Plan will be developed

Montrose Health and Human Services

Topic: Video Conferencing

How Did You Decide This Is Important: Increased costs of training of staff and the inaccessibility of training on the Western Slope. Preference to train multiple staff versus a few trainers who do not have time to train staff left at home.

Specific Aim or Purpose: To provide infrastructure for ongoing workforce training.

Desired Outcome or Improvement Target: Increase access to training for Montrose Public Health workforce. Access will be available to neighboring nursing services of Ouray, San Miguel & Gunnison.

Measurement of Success: Monitor number of employees who attend trainings; and the number of education trainings offered.

Otero County Department of Health

Topic: Public Health Preparedness and Response to Bioterrorism (All-Hazards)

How Did You Decide This Is Important: ?) The Otero County Health Department has GPS (Global Positioning System) units, but only 1 staff member has the expertise to use it.

Specific Aim or Purpose: Train appropriate staff to use GPS Units, to include members of the Epidemiology Response Team (ERT), Initial Response Team (IRT), Disease Control/Epidemiology Program (DCEP).

Desired Outcome or Improvement Target: Appropriate staff know how to use GPS units

Measurement of Success: ERT, IRT, and DCEP to use GPS for public health applications

Park County Public Health Nursing Service

Topic: Emergency Preparedness Training

How Did You Decide This Is Important: This was at 50% according to the Critical Capacity Data obtained from Central region.

Specific Aim or Purpose: To Ensure that in the time of an emergency Park County Public Health will have the ability to respond to emergency situations that could affect a large proportion of the population.

Desired Outcome or Improvement Target: All Public Health Nursing Staff will become familiar with disease causing agents that could be used on a mass scale by taking courses such as BNICE, Public Health Awareness, and other courses as they are offered. Each staff member will have participated in at least two of these courses within the next 12 months. Communication systems for the purpose of rapid dissemination of information will be maintained for the next 12 months.

Measurement of Success: Documentation will be kept on file of all trainings completed. Nursing staff will participate in CoTrain. Health Alert Network System will be tested quarterly. Nursing staff will participate in the CEDRS Database system.

San Juan Basin Health Department

Topic: Workforce BT Competency Development

How Did You Decide This Is Important: National Public Health Performance Standards Assessment Prioritization Matrix

Specific Aim or Purpose: Provide opportunity for all personnel to develop core competencies for emergency response to a natural or human caused emergency.

Desired Outcome or Improvement Target: Successful completion of a course and post-test in mass vaccination clinic educational programs for all staff departments. Attendance and participation in table top exercise using NIMS model for agency response.

Measurement of Success: Post-test based on answer questions J.1 in the Colorado Elements of Preparedness (by taking the Columbia University online Core Competency test). Mass vaccination tabletop using above skills will be observed and evaluated by above-mentioned regional staff. Evaluation of attendance/participation in ICS table top, evaluation of exercise.

9—Evaluate Effectiveness, Accessibility, and Quality of Personal and Population-Based Health Services

Broomfield Health and Human Services Department

Topic: Evaluating Public Health and Environment Programs/Services delivery for the City and County of Broomfield.

How Did You Decide This Is Important: Since Broomfield became a combined City and County, it has been a challenge to obtain health related data specifically for Broomfield residents. The City/County 3rd year anniversary is approaching this November and we feel data continues to be limited. A comprehensive evaluation to identify if service delivery is adequate to provide efficient public health and environmental services.

Specific Aim or Purpose: To provide a base line as to if the public health services that are being delivered/provided meets the needs of Broomfield.

Desired Outcome or Improvement Target: To determine the effectiveness of the public health and environmental services being offered to Broomfield citizens.

Measurement of Success: Public Health and Environment data collected and evaluated. Develop, implement and/or tailor public health and environmental programs focus according to community evaluation data and needs, providing education around areas of improvement for the community's health status with feedback from HHS and HHSAC. The process for monitoring action steps will be at least every 3 months. Ongoing evaluation of services provided will be done at least yearly

Fremont County Public Health Nursing Service

Topic: Evaluation of Population based Health Services

How Did You Decide This Is Important: Our Community Assessment is due this year
Specific Aim or Purpose: To effectively evaluate health services in the community & their gaps.
Desired Outcome or Improvement Target: To better serve the community by making available needed services and addressing problems not currently being addressed
Measurement of Success: Completion of assessment is the first step. New services that are implemented will be measured by use of these services.

Jefferson County Department of Health and Environment

Topic: Food Safety Program Evaluation
How Did You Decide This Is Important: Historically Food Safety has been considered a key factor in reducing disease and restaurant inspections considered a very important aspect of that effort. Review of the literature does not find any well developed studies which addressed evaluation of Food Safety programs
Specific Aim or Purpose: To develop a tool and/or a template for evaluating Food Safety programs.
Desired Outcome or Improvement Target: Have a tool that can be used by EH programs across the state to evaluate their Food Safety Programs and use the findings to modify programs as appropriate.
Measurement of Success: Success will be measured development of the tool and application of it on a regular basis

San Juan Basin Health Department

Topic: Evaluation of Prenatal Care Access
How Did You Decide This Is Important: National Public Health Performance Standards Assessment Prioritization Matrix
Specific Aim or Purpose: Assure that prenatal and delivery care is available to all pregnant women and begin to shift bulk of primary care to private providers.
Desired Outcome or Improvement Target: All pregnant women will have access to high quality prenatal and delivery care that is appropriate to meet individual needs, including medical, educational, and support services.
Measurement of Success: Monitor access to care of clients who go through presumptive eligibility, Prenatal plus, and Healthy Kids Satisfaction survey post-delivery Numbers of clients who receive prenatal care through private providers increases

Teller County Public Health

Topic: Planning and Implementation
How Did You Decide This Is Important: Identified lack of local planning and evaluation data has been collected and/or evaluated for program implementation
Specific Aim or Purpose: Determined program effectiveness and to provide information allocating resources and reshaping programs
Desired Outcome or Improvement Target: More effective use of resources, identifying gaps in services, personal or population based
Measurement of Success: Data driven assessment and intervention, utilizing effective quality improvement activities

Focus on Monitoring, Diagnosing & Evaluating

In the **Colorado's National Public Health Performance Standards Assessment: The Basis for Data-Driven Public Health Improvement** section, the process is described wherein the Public Health Performance Improvement Collaborative evaluated the results of the NPHPS Assessments

(Table 1 NPHPS Priority Matrix, Page 8). State and local performance was reviewed in aggregate based on several criteria. The areas for emphasis based on these criteria are:

- 1—Monitor health status to identify community health problems;
- 2—Diagnose and investigate health problems and health hazards in the community; and
- 9—Evaluate effectiveness, accessibility, and quality of personal and population-based health services.

The Office of Local Liaison solicited plans that would focus in these three areas. Table 4 shows the number of plans that were received for each of these targeted essential services.

Table 4 Number of Plans for Each Targeted Essential Service

ES #	Essential Service	Partner	Number of Plans
1	Monitor Health Status to Identify Community Health Problems	CDPHE Programs	3
1	Monitor Health Status to Identify Community Health Problems	Local Public Health Agencies	25
2	Diagnose and Investigate Health Problems and Health Hazards in the Community	Local Public Health Agencies	30
2	Diagnose and Investigate Health Problems and Health Hazards in the Community	State Public Health Organizations	5
9	Evaluate Effectiveness, Accessibility, and Quality of Personal and Population-Based Health Services	CDPHE Programs	6
9	Evaluate Effectiveness, Accessibility, and Quality of Personal and Population-Based Health Services	Local Public Health Agencies	5
9	Evaluate Effectiveness, Accessibility, and Quality of Personal and Population-Based Health Services	State Public Health Organizations	6
	Total		80

Focus on Bioterrorism and All Hazards Preparedness

The 39 of the 80 plans that were submitted outlined initiatives in Colorado that will build public health capacity at the state and local levels to prepare for all hazards including Bioterrorism events. While this is only a portion of all the efforts that Colorado is making through the All Hazards Preparedness Program at CDPHE, it demonstrates the important role that performance of the state and local public health systems plays in this important area. In response to the public demand for a public health system that is prepared to respond to Bioterrorism events and other public health threats, state and local system partners were asked to address performance improvement as specifically related to all hazards preparedness. State and local system plans follow.

State Public Health System Plans for Improving Performance in Responding to All Hazards and Public Health Threats

2—Diagnose and Investigate Health Problems and Health Hazards in the Community

Colorado Directors of Environmental Health

Topic: Emergency Response/Investigations Protocols

How Did You Decide This Is Important? As discussed during the 3rd Quarter meeting, CDEH discovered that very little information is known regarding proper protocol, procedures and notifications as to local Environmental Health's role in an emergency response.

Specific Aim or Purpose: To provide procedures and protocols for local Environmental Health professionals on emergency response.

Desired Outcome or Improvement Target: Provide all organized local health departments and other environmental health professionals with procedures and protocols.

Measurement of Success: Success will be measured by adoption and distribution by CDEH of this document. The procedures and protocols will be updated yearly.

8—Assure a Competent Public and Personal Health Care Workforce

Colorado Directors of Nursing (CDON)

Topic: Public Health Nursing and Emergency Competencies

How Did You Decide This Is Important? 2002 Educational Needs Survey identified training and educational needs of the current ph workforce. UCHSC post survey in 2004 will identify continuing educational needs of Colorado public health nurses.

Specific Aim or Purpose: To develop a statewide educational plan for building public health nursing competencies; to work in collaboration with national efforts; and to integrate PHN and emergency competencies for possible future PHN certification

Desired Outcome or Improvement Target: PHN competencies will be measurable through a standardized tool useful for hiring, promotion, and educational purposes.

Measurement of Success: Discussion will be documented in the Nursing Director and PHNAC meeting minutes. A statewide plan will address evaluation. Success is dependent on inclusion of a competency based practice model at the state and local agency level.

9—Evaluate Effectiveness, Accessibility, and Quality of Personal and Population-Based Health Services

CDPHE--All Hazards Preparedness

Topic: Elements of Preparedness

How Did You Decide This Is Important? There is a current need for defined criteria around the Colorado Elements of Preparedness. The Elements are: Planning, Training, Exercises/Testing, Communication, Response, and Evaluation/Assessment. In 2004 these Elements were established as core components of the Colorado bioterrorism activities.

Specific Aim or Purpose: The Colorado Elements of Preparedness will provide state and local emergency preparedness guidance, provide criteria for complete bioterrorism programming, and establish measurable standards for implementation.

Desired Outcome or Improvement Target: To provide superior leadership and establish emergency preparedness criteria for state and local preparedness. The improvement focuses include an emphasis on measurement of the Colorado Elements for Preparedness, and the Statewide Exercise.

Measurement of Success: 1) The Bioterrorism and Emergency Preparedness Section will demonstrate success in the provision of superior leadership, and established standards for state and local communities, as related to the Colorado Elements of Preparedness (Planning, Training, Exercises/Testing, Communication, Response, and Evaluation/Assessment); 2) There will be an improved demonstration of readiness capacity through the completion of statewide exercises and coordinated testing of response capability; and 3) Nationally supported monitoring methods and tools will be used (i.e. Center for Disease Control and Prevention After Action Reporting method, and the Department of Homeland Security (DHS) (HSEEP Exercise Evaluation and Improvement Training).

CDPHE--Office of Local Liaison

Topic: Public Health Performance Improvement
How Did You Decide This Is Important: NPHPS Assessment Matrix; Priority determined by the Public Health Performance Improvement Collaborative
Specific Aim or Purpose: Monitor status of local and statewide public health performance improvement efforts.
Desired Outcome or Improvement Target: Facilitate, encourage and support success at the state and local level in achieving public health performance improvement objectives.
Measurement of Success: Quarterly progress reports will monitor the status of improvement plans; Interventions will be determined, implemented and cataloged in the PHPI Database.

Local Public Health System Plans for Improving Performance in Responding to All Hazards and Public Health Threats

2—Diagnose and Investigate Health Problems and Health Hazards in the Community

Alamosa County Nursing Service

Topic: Radio Communication in Emergencies
How Did You Decide This Is Important: A disaster exercise was held in Alamosa County. Evaluation of this activity reveals communication problems. A capacity assessment was completed with communication identified as a gap. There are analog and digital radios being used, and numerous channels without direction to each agency for communication.
Specific Aim or Purpose: To have consistent and effective radio communication among responders.
Desired Outcome or Improvement Target: There will be 100% capacity of the emergency response system to be able to interact verbally at a distance within Alamosa County.
Measurement of Success: An evaluation process will be followed after exercises for disaster preparedness are completed. There will be “practice sessions” periodically to test the radio communication capability. Project is successful if 100% of the emergency responders are able to communicate by radio.

Baca County Nursing Service

Topic: Emergency Preparedness
How Did You Decide This Is Important: Very much needed in our county, has taken a few years, but our group is up and running, plans are done & we are meeting 6 times a year. Tabletop has been done & full scale exercise was done on August 14, 2004.
Specific Aim or Purpose: County preparedness

Desired Outcome or Improvement Target: Want our LEPC group to keep meeting & improve on our emergency response.

Measurement of Success: Continued meetings & participation in activities planned.

Bent County Nursing Service Authority

Topic: Mass Vaccination exercise

How Did You Decide This Is Important: Plans have been written & submitted but not tested for accuracy & completeness

Specific Aim or Purpose: The test will be to stage exercises as often & practice response plans. Readiness is frequent practice. Ultimate purpose will be complete readiness for all Public Health staff.

Desired Outcome or Improvement Target: 100% of staff able to react & respond to emergency situations even if it is only a drill.

Measurement of Success: Every staff member will have copy of hazard plan & will understand the necessity of plan. Staff will actively suggest improvements of plan

Cheyenne County Public Health

Topic: Mass Vaccination Clinic

How Did You Decide This Is Important: The need to ensure that in the event of an actual infectious outbreak, our county would be able to respond effectively and efficiently.

Specific Aim or Purpose: Conduct a mass vaccination clinic using influenza vaccine so we can test and update our plans as needed.

Desired Outcome or Improvement Target: To ensure that all local and regional public health staff and first responders will be able to effectively respond in the event of an actual outbreak

Measurement of Success: Monitor activities on a monthly basis by tracking date completion of strategies and individual responsibilities.

Clear Creek County Nursing Service

Topic: Exercise Plans for Emergency Preparedness 2005.

How Did You Decide This Is Important: Post evaluation of Local Exercise of Mass Clinic Plan of 7/13/04

Specific Aim or Purpose: Increase knowledge of Public Health plans and improve performance of staff and partners at Exercise.

Desired Outcome or Improvement Target: Updated Public Health emergency plan and improved response of staff and partners to a public health emergency event.

Measurement of Success: Post exercise evaluation will show improvement compared to 7/04 Exercise evaluation.

Community Health Services, Inc.

Topic: Application of Incident Command Systems to West Nile Virus Activity in Pitkin County

How Did You Decide This Is Important: On April 1, 2004 the NW Public Health Preparedness Office and Pitkin County conducted an exercise based on a West Nile Event. At Executive Summary the decision was made to initiate an Incident Management Group to establish an Incident Command Structure where Public Health, Emergency Management and Environmental Health have a role.

Specific Aim or Purpose: To develop a strategy that will ensure safety of the public and provide timely, consistent and accurate information to the public on preventive measures, evidence of infected birds, mosquitoes and humans. To provide a cost-effective service and plan for future

Desired Outcome or Improvement Target: To reduce the potential for problems, such as a knee jerk reaction to an epidemic, with adequate planning, public education and resource allocation.

Measurement of Success: 1. Weekly updates of surveillance activity to the IMG. 2. Accurate and timely press releases to public for any positive mosquito, bird or human case. 3. Utilizing the IAP/ICS for other communicable disease outbreaks.

Conejos County Nursing Service

Topic: Emergency Preparedness

How Did You Decide This Is Important: Increased focus on disaster preparedness since 9/11

Specific Aim or Purpose: Conejos County will be prepared for public health emergency

Desired Outcome or Improvement Target: Conejos County will have an emergency plan in place that is tested at least annually and adjusted as needed

Measurement of Success: Analysis of exercises to identify areas of improvement

Costilla County Nursing Service

Topic: Emergency Preparedness

How Did You Decide This Is Important: Costilla County has a need to test the resource capacity in our own community in the event of an emergency. It is also important to test the response and communication capability involving multiple disciplines.

Specific Aim or Purpose: To determine the capability of this community's response system and to test the emergency response plan.

Desired Outcome or Improvement Target: As a result of the mock disaster weaknesses or deficiencies will be detected in the response plan. Improvements will be made The response to an incident will be improved. Community awareness regarding the importance of disaster planning will be achieved

Measurement of Success: Evaluation by participants will be part of the exercise. Constructive information will be used to make changes to emergency response plan as needed. Plan will be updated every two years.

Custer County Public Health Nursing Service

Topic: Emergency Preparedness/ All Hazards Preparedness Planning by local Public Health Nursing Service.

How Did You Decide This Is Important: All hazards/ Emergency planning and training is a required activity of CDPHE All Hazards/ Bioterrorism contract.

Specific Aim or Purpose: Train community volunteers (both medical and non-medical) to work with Custer County Public Health Nursing Service in providing a Mass Prophylaxis / Immunization clinic utilizing influenza vaccination clinics as venue.

Desired Outcome or Improvement Target: Community volunteers will be trained to function in their designated roles of a Mass Prophylaxis / Immunization Clinic and will be able to demonstrate proficiency in those roles by the end of the exercise (Influenza vaccination Clinics).

Measurement of Success: Success will be measured by the number of individuals immunized, how well the clinics flow, and evaluation by public and volunteers.

Denver Health and Hospital Authority

Topic: Selection of appropriate locations for dispensing mass vaccinations/prophylaxis for the inhabitants of Denver County

How Did You Decide This Is Important: Should an emergency or bioterrorist event require mass vaccination and/or prophylaxis for a large portion of the population, Denver must have a plan to receive large quantities of vaccines/antibiotics that would arrive as part of the SNS package; DPH must have an efficient method to distribute mass vaccinations/prophylaxis to all residents in the City and County of Denver.

Specific Aim or Purpose: Given a hypothetical number of mass vaccination/prophylaxis sites (N=25, based on projected staffing capacity, throughput/hour, and a 3-day limit to reach our goal of serving approximately 560,000 residents and visitors), determine the best pattern and geographic configuration for those sites to efficiently serve the population of Denver (residents and visitors) Calculations: $560,000 \text{ persons} / (24 \text{ hours/day}) (3 \text{ days of operation}) (25 \text{ sites}) = 311$ persons per hour (approximately 5-6 persons/minute) with full staffing round the clock; Utilizing census data, evaluate site characteristics, GIS analytic tools and determine the best geographic distribution for the given number of sites.

Desired Outcome or Improvement Target: Given a hypothetical number of mass vaccination/prophylaxis sites (N=25, based on projected staffing capacity, throughput/hour, and a 3-day limit to reach our goal of serving approximately 560,000 residents and visitors), determine the best pattern and geographic configuration for those sites to efficiently serve the population of Denver (residents and visitors) Calculations: $560,000 \text{ persons} / (24 \text{ hours/day}) (3 \text{ days of operation}) (25 \text{ sites}) = 311$ persons per hour (approximately 5-6 persons/minute) with full staffing round the clock. Utilizing census data, evaluate site characteristics, GIS analytic tools and determine the best geographic distribution for the given number of sites.

Measurement of Success: Write a document that serves as a first draft, immunoprophyllaxis/chemoprophyllaxis distribution plan; Conduct a series of focused meetings with DPH staff, Denver Office of Emergency Operations and CDPHE to review the document, provide feedback and assess face validity; Develop a test exercise that assesses the calculation/estimates made for throughput for a facility; Develop evaluation templates for this and subsequent exercises. Coordination and regionalization; Present the plan to Denver metro North Central Region for review and comment; Discuss the plan with bordering counties and jurisdictions to assure site Denver County site selection is appropriate and avoids potential for duplication or excessive proximity of services across county borders; Develop a plan to conduct a similar analysis at the regional level; Evaluate dispensing sites and overall SNS plan considering; Communication of structure and systems (between dispensing sites, with the ICS or Health Emergency Operations Center, police, DPH, OEM, sub-regions and bordering regions), Security, Staffing and volunteer capacity and requirements; Recruiting and training; Push/pull theory evaluation (mobile dispensing vs. on-site); Hours of operation on sites consistent with outlying regions; ICS integration; Credentialing practices (Denver Sheriff's department); Legal review by Denver Health legal staff; Define requirements and functions for each of these components and develop and conduct a table-top exercise to evaluate capacity to efficiently address these requirements and functions; Define next action steps in revising the plan for Denver County and the metro region.

Topic: Local and/or state public health has a system to divert existing workforce to function in specific emergency response roles, while maintaining core public health functions.

How Did You Decide This Is Important: This is a key indicator in the Draft Public Health Preparedness Indicators, (October 2003, Centers for Disease Control and Prevention, Office of Terrorism Preparedness and Emergency Response [OTPER]) Absence of well-developed public health definitions for: 1) all-hazards, and 2) escalating or multiple emergencies Absence of local consensus on 1) what are core public health functions to be maintained and 2) what existing workforce could be diverted.

Specific Aim or Purpose: Provide DPH management with a clear definition and plans for what core public health functions must be maintained during an emergency; who on the existing work force may be diverted during an emergency; how we will inform and train those individuals on new roles and responsibilities; when and where we will test and train on those new responsibilities

Desired Outcome or Improvement Target: An explicit emergency escalation plan with job action sheets, training dates, measures of training and evaluations.

Measurement of Success: Consensus and understanding among management team will be reached regarding DPH roles and responsibilities in event of a hazard; Public health employees can identify and explicitly state the relation of core functional activities with an all-hazards emergency response; Development of an explicit, tested, job action plan for workforce escalation during emergencies; Measure new knowledge of emergency roles and responsibilities by DPH employees; Determine change in throughput for core essential services during an exercised crisis (table top).

Dolores County Nursing Service

Topic: Develop Communication Risk Management Plan

How Did You Decide This Is Important: It is one of our requirements from our contacts. It is important to establish communication and information networks and protocols pre-event.

Specific Aim or Purpose: Develop a communication plan pre-event and use it during drills to establish guidelines for dealing with a variety of situations and ensure staff and communicators are familiar with procedures and their roles in the event of a crisis.

Desired Outcome or Improvement Target: To factually assess the situation and determine whether a communications response is warranted and implement immediate action needed.

Measurement of Success: Test plan during regional/local/or state exercise.

El Paso County Department of Health and Environment

Topic: Concern with facing overwhelming casualty surge within Colorado Springs/El Paso County and increasing surge capacity.

How Did You Decide This Is Important: Our community has been struggling with realizing as few as 100 severe casualties overwhelm our three hospitals (two systems); hospitals go on "divert" several times a month; a catastrophic event would cripple our medical system; MMRS doesn't "kick in" until there have been 3,000 chemical or radiological casualties or 10,000 biological casualties!

Specific Aim or Purpose: To continue to bring together all partners in the community to address this public health crisis in planning for public health emergencies.

Desired Outcome or Improvement Target: Reduction of incredible gap between the threshold that overwhelms the medical community in a mass casualty and that when all partners as well as outside aid come together under MMRS

Measurement of Success: Improved relationships; tabletop evaluations; development of more complete and usable plans

Fremont County Public Health Nursing Service

Topic: Investigate & Respond to Public Health emergencies

How Did You Decide This Is Important: Our agency has 5 RN's. I feel that none of us are prepared to do the evaluations & proper investigation without further training.

Specific Aim or Purpose: To make our entire staff knowledgeable so they can respond to outbreaks, hazards, disasters and threats.

Desired Outcome or Improvement Target: Case investigation protocols will be in place including source & contact tracing for communicable diseases or toxic exposures. All staff will be knowledgeable regarding investigations.

Measurement of Success: By evaluating response of staff to emergencies following each drill.

Gilpin County Public Health Nursing Service

Topic: Diagnose and investigate health problems and health hazards in the community.

How Did You Decide This Is Important: Gilpin County did not have a mass prophylaxis plan as of April 1, 2004. Gilpin County had not trained or tested a mock clinic plan through mock exercises.

Gilpin County had not tested coordination and communications with mutual aid agencies during a mock clinic exercise. Emergency preparedness for mass prophylaxis and interagency communications is important not only related to bioterrorism but also many other potential community emergency needs.

Specific Aim or Purpose: Provide local health personnel and mutual aid partners with training and experience in mass prophylaxis clinic set up and operations in order: to be better prepared to respond in an actual emergency and to discover areas of improvement needed in the plan and the clinic operation

Desired Outcome or Improvement Target: Local health personnel and first responders trained in ICS/NIMS and experienced in mock mass prophylaxis clinic set-up and operation with mutual aid partners before September 1, 2004.

Measurement of Success: Attendance of local health personnel and first responders, especially those who have not participated in ICS/NIMS training or any similar exercises in the past Attendance of mutual aid personnel, especially those who have not participated in Gilpin County or had similar training and experience in the past Debriefing responses for improvement measures documented on forms provided and verbally by those in attendance (25% verbally and 50% of written responses with specific comments on what worked and what could be improved) Positive responses on written evaluation at 75% or above Local and mutual aid personnel express increased level of confidence in ability to function in real clinic situation Appropriate amendments made to plan by Sept 30, 2004

Gunnison County Public Health

Topic: Epidemiologic Investigation, Emergency Response for Non-Public Health ER Nurses

How Did You Decide This Is Important: Local assessment and results of past event analysis (2/04)

Specific Aim or Purpose: Improve current epidemiologic case investigation protocols locally to include Gunnison Valley Hospital ER staff, initiating investigation when appropriate for more rapid response.

Desired Outcome or Improvement Target: Establishment of trained hospital ER staff in protocols for epidemiologic investigation so that emergency response to an outbreak will be improved in Gunnison County

Measurement of Success: Protocols for ER staff will be written and at least one training will be given yearly to hospital ER staff by public health staff.

Hinsdale County Public Health and Community Services

Topic: Identification and Surveillance of health threats

How Did You Decide This Is Important: Local Public Health Performance Assessment

Specific Aim or Purpose: Improve surveillance of health threats

Desired Outcome or Improvement Target: To develop a plan for surveillance, reporting, investigating and analyzing health threats and a procedure to alert the community to possible health threats and disease outbreaks

Measurement of Success: Test the system with an exercise focused on the epidemiologic response and investigation including use of procedure to alert the community.

Kiowa County Nursing Service

Topic: Mass Vaccination Clinic

How Did You Decide This Is Important: To ensure that in the event of an actual outbreak our counties would be able to respond effectively and efficiently.

Specific Aim or Purpose: Conduct a mass vaccination clinic using influenza vaccine so we can test and update our plans as needed.

Desired Outcome or Improvement Target: To test our local and regional resources and response in the event of an actual outbreak

Measurement of Success: Monitor activities on a monthly basis by tracking date completion of strategies and individual responsibilities.

Lincoln County Public Health Nursing Services

Topic: West Nile Virus

How Did You Decide This Is Important: Eight positive Human cases (3 fatalities) of West Nile in Lincoln County in 2003

Specific Aim or Purpose: Collect information from community health professionals, continue surveillance of mosquito pools, investigate human cases of WNV, educate the public on mosquito control, and the distribution of mosquito dunks & DEET.

Desired Outcome or Improvement Target: Decrease the number of positive human cases of WNV.

Measurement of Success: Lincoln County will have a decreased amount of human cases of west Nile Virus than in previous years.

Mesa County Health Department

Topic: Environmental Health Emergency Preparedness

How Did You Decide This Is Important: Currently, environmental health staff have no training or protocols for responding to public health emergencies. Roles are poorly defined.

Specific Aim or Purpose: Identify foreseeable emergencies involving environmental health incidents, Develop written protocols outlining procedures in specific and general incidents, Seek and provide training to prepare environmental health staff for emergent public health challenges.

Desired Outcome or Improvement Target: Increase staff awareness of their roles in emergencies involving environmental health department. Provide template response documents. Provide training to prepare EH staff for their role in such incidents.

Measurement of Success: At least 10 of 13 EH staff will attend the planning/prioritization sessions or individual discussions by September 30, 2004. At least three top priority emergency response protocols will be outlined by December 31, 2004. At least one training will be provided by February 28, 2005, a second by May 31, 2005, and third by August 31, 2005, with additional trainings to be determined after that. At least 10 of 13 EH staff will participate in each of three emergency training sessions. COTRAIN will be used to record and track training.

Montezuma County Health Department

Topic: Identification and surveillance of health threats

How Did You Decide This Is Important: Inconsistent reporting of possible health threats by local providers.

Specific Aim or Purpose: Improved recognition and response to public health emergencies by medical providers and local public health.

Desired Outcome or Improvement Target: Trained response teams with specific protocols for responding to a public health emergency.

Measurement of Success: Increased communications and disease reporting between medical providers and local public health agencies; Development of response team; Ability to identify and address gaps in infrastructure with BT team

Northwest Colorado Visiting Nurse Association, Inc

Topic: Plan for Public Health Emergencies

How Did You Decide This Is Important: need for increased Public Health staff knowledge of Incident Command System & Bioterrorism

Specific Aim or Purpose: Familiarize Public Health staff with Incident Command system

Desired Outcome or Improvement Target: Staff will experience ICS system and their role in an event.

Measurement of Success: Discussion with nurses involve: develop plan to train other Public Health staff on Incident Command System

Topic: Identification & Surveillance of Health Threats

How Did You Decide This Is Important: Recurrent reports of pool-borne illnesses

Specific Aim or Purpose: Increase surveillance efforts & community education in tandem with Environmental Health officials

Desired Outcome or Improvement Target: Staff will continue timely monitoring & interventions to reduce number of occurrences and outbreaks

Measurement of Success: Continued surveillance and monitoring through use of CEDRS, reduction in number of occurrences

Otero County Department of Health

Topic: Public Health Preparedness and Response to Bioterrorism (All-Hazards)

How Did You Decide This Is Important: In order to respond to emergency situations, the Otero County Health Department needs to maintain a roster of personnel (OCHD Staff, other local entities, CDPHE staff) with the technical expertise to respond to potential biological, chemical, or radiological public health emergencies.

Specific Aim or Purpose: Develop and maintain a roster of personnel (OCHD Staff, other local entities, CDPHE staff) with the technical expertise to respond to potential biological, chemical, or radiological public health emergencies.

Desired Outcome or Improvement Target: This roster will be maintained in the "Ready Folders" in all OCHD offices.

Measurement of Success: Development and maintenance of rosters in all "Ready Folders" located in all OCHD offices.

Pueblo City-County Health Department

Topic: An updated Emergency Operations Plan

How Did You Decide This Is Important: Plan created in 2002 and has not been revised

Specific Aim or Purpose: To have every section of the plan accurately reflect the newest information developed over the last 2 years.

Desired Outcome or Improvement Target: To have an updated Emergency Operations Plan that employees at Pueblo City-County Health Department are familiar with.

Measurement of Success: Possession of new Emergency Operations Plan by 100% of staff. Attendance by 98% of staff at informational staff meeting.

Rio Blanco County Nursing Service

Topic: All Hazards Emergency Preparedness

How Did You Decide This Is Important: All Hazards Emergency Preparedness has been given to Public health agencies nationwide as their task in order to assure communities can effectively respond to any emergency situation

Specific Aim or Purpose: To assure an effective and realistic plan is in place that addresses all hazards & to investigate and respond to public health emergencies

Desired Outcome or Improvement Target: Community collaboration & communication is improved, testing of plans on a regular basis, plans are evaluated yearly, maintaining up-to-date listing of all emergency contacts both for all hazards and communicable disease, continual re-evaluation of process and outcomes

Measurement of Success: Community plans are up to date and effective based on table top exercises, post exercise evaluations. All emergency contacts are kept current & tested frequently.

San Juan County Nursing Service

Topic: Increase collaboration amongst county first responders and this Nursing Service.

How Did You Decide This Is Important: Re: Public health emergency responder- this nursing service's role has limited recognition and acceptance from first responders, e.g. EMS, fire, search & rescue, sheriff's dispatcher (president of co.'s Emergency Management Council/EMC). Nursing Service not invited to join EMC, struggled to gain active voting membership, once membership gained received little or no notice of upcoming meetings, e.g., received phone call from president 20 minutes into meeting. Sheriff dispatcher/EMC president antagonistic towards information shared from this office, e.g., small pox /mass IZ plan and SP vaccination vaccine material. New emergency planner on board May 2004 (previous planner deputy from sheriff's office who had little involvement in EMC and other needed activities). Positive response from new planner who is engaging and sees "Big Picture" and recognizes importance of public health role. Continued work to build relationships is still sorely needed in her assessment and ours.

Specific Aim or Purpose: To improve our working relationship with our county emergency partners.

Desired Outcome or Improvement Target: Regular attendance at EMC meetings with public health presentations/input as appropriate. Involvement of public health in planned exercises and interventions as they arise.

Measurement of Success: Have positive interactive relationships with community partners through attendance at EMC meetings, acknowledgements of quarterly HAN alert tests, notification of scheduled EMC meeting on a timely basis, and feedback received from meeting presentations.

Summit County Public Health Nursing Service

Topic: Emergency preparedness

How Did You Decide This Is Important: County wide plan for notification of public of health threats and disease outbreak not coordinated. In particular coordination of PIOs not happening yet. Plan not in place to coordinate information release through which PIO when.

Specific Aim or Purpose: To develop county PIO group to provide venue for education around response to emergencies or disasters in county/community/region/etc To develop this group in the context of Incident Management Group using ICS/NIEMS structure.

Desired Outcome or Improvement Target: Coordinated working group of County PIOs prepared to function as one in the case of emergency and /or disaster.

Measurement of Success: Countywide cooperative of PIOs in place to include Public Health

Tri-County Health Department

Topic: Assessing readiness plans through exercises.

How Did You Decide This Is Important: National Public Health Performance Assessment Results.

Specific Aim or Purpose: Determine the adequacy of TCHD preparedness plans through exercises and evaluation.

Desired Outcome or Improvement Target: Reduce the number of areas for improvement identified by 10% during each consecutive exercise conducted.

Measurement of Success: Success will be measured against completion of identified critical tasks by staff involved in each exercise and compared with 10% goal. Tasks not completed will be addressed to determine if plans and protocols need to be changed as appropriate.

Weld County Department of Public Health and Environment

Topic: Exercise our Weld County Mass Prophylaxis Plan

How Did You Decide This Is Important: The WCDPHE has never exercised any of our emergency plans. It is vital to exercise these plans in order to improve them, and to ensure that Health Department staff are trained for emergency response.

Specific Aim or Purpose: To improve the WCDPHE Mass Prophylaxis Plan and WCDPHE staff emergency response capabilities.

Desired Outcome or Improvement Target: 1. Health Department staff will gain experience working with other first responder agencies in a Public Health emergency. 2. Health Department staff will gain experience in Incident Command. 3. The WCDPHE will identify the strengths and weaknesses of the Weld County Mass Prophylaxis Plan.

Measurement of Success: The WCDPHE will review the exercise evaluations provided by evaluators during the exercise, as well as the After Action Report, which will identify the areas that need improvement. These identified areas will be used to revise and update the Weld County Mass Prophylaxis Plan. These revisions will be tested should the opportunity for subsequent exercises arise.

4—Mobilize Community Partnerships to Identify and Solve Health Problems

Garfield County Public Health Nursing Service

Topic: Local Emergency Planning Committee (LEPC) and Safety Committee for Garfield County

How Did You Decide This Is Important: County was lacking a Local Emergency Planning Committee as well as a Safety committee to address growing oil and gas industry, Interstate and rail transportation of hazardous materials, and emergency preparedness with all partners involved.

Specific Aim or Purpose: To be recognized on a county level and by county commissioners as an organized LEPC/Safety Committee

Desired Outcome or Improvement Target: To have a functioning LEPC with county, cities, oil and gas, and community members. To have a functioning Safety Committee to address all hazards plans, trainings, and health issues.

Measurement of Success: Continue to recruit and invite new partners to join committee. Evaluate and monitor data collected on industries with hazardous materials. Continue to assess, revise and practice county wide all hazard emergency plans with all partners.

Mineral County Public Health

Topic: Current directory of organizations that comprise the LPHS

How Did You Decide This Is Important: The National Public Health System Performance Assessment Instrument (EPHS 4-1-3) had a score of 0. EPHS 4 had a score of 12 (Mobilize Community Partnerships)

Specific Aim or Purpose: Develop and maintain directory of local public health organizations for easy access in an all-hazards disaster in Mineral County or in the State of Colorado.

Desired Outcome or Improvement Target: A list of all organizations and contacts within organization in electronic and hard copy formats.

Measurement of Success: Response to quarterly to local health alerts. Update information as necessary.

5—Develop Policies and Plans that Support Individual and Community Health Efforts

Mesa County Health Department

Topic: Epidemiologic Investigation Emergency Response

How Did You Decide This Is Important: Local Public Health Performance Assessment

Specific Aim or Purpose: Improve current epidemiologic case investigation protocols to guide immediate investigations of public health threats and outbreaks.

Desired Outcome or Improvement Target: Establish trained epidemiologic teams with specific guideline and protocols for responding to a public health emergency.

Measurement of Success: Test the system with an exercise focused on the epidemiologic response, investigation and equipment usage including the debriefing process.

8—Assure a Competent Public and Personal Health Care Workforce

Park County Public Health Nursing Service

Topic: Emergency Preparedness Training

How Did You Decide This Is Important: This was at 50% according to the Critical Capacity Data obtained from Central region.

Specific Aim or Purpose: To Ensure that in the time of an emergency Park County Public Health will have the ability to respond to emergency situations that could affect a large proportion of the population.

Desired Outcome or Improvement Target: All Public Health Nursing Staff will become familiar with disease causing agents that could be used on a mass scale by taking courses such as BNICE, Public Health Awareness, and other courses as they are offered. Each staff member will have participated in at least two of these courses within the next 12 months.

Communication systems for the purpose of rapid dissemination of information will be maintained for the next 12 months.

Measurement of Success: Documentation will be kept on file of all trainings completed.

Nursing staff will participate in CoTrain. Health Alert Network System will be tested quarterly.

Nursing staff will participate in the CEDRS Database system.

San Juan Basin Health Department

Topic: Workforce BT Competency Development

How Did You Decide This Is Important: National Public Health Performance Standards Assessment Prioritization Matrix

Specific Aim or Purpose: Provide opportunity for all personnel to develop core competencies for emergency response to a natural or human caused emergency.

Desired Outcome or Improvement Target: Successful completion of a course and post-test in mass vaccination clinic educational programs for all staff departments. Attendance and participation in table top exercise using NIMS model for agency response.

Measurement of Success: Post-test based on answer questions J.1 in the Colorado Elements of Preparedness (by taking the Columbia University online Core Competency test). Mass vaccination tabletop using above skills will be observed and evaluated by above-mentioned regional staff. Evaluation of attendance/participation in ICS table top, evaluation of exercise.

Common Themes and Learning Communities

The plans were investigated for common themes that would transcend the structure of the Ten Essential Services. The encouraged focus on monitoring, diagnosing and evaluating was manifested in the emergence of three leading themes of training, disease control, and community assessment. Table 5 lists the common themes that were identified.

Table 5 Number of Plans by Common Themes

Description	Key Word	Number of Plans
Disease Control	Disease Control	19
Training	Training	18
Community Assessment	Assessment	14
Public Health Performance Improvement	Performance	8
Public Health Data	Health Data	8
Immunizations	Immunization	7
Exercising Preparedness Plans	Exercise	7
Workforce Development	Workforce	6
Public Health Policy	Policy	6
Developing Protocols	Protocols	6
Access to Healthcare	Access	6
Maternal and Child Health	MCH	5
Mobilizing Communities to Improve Public Health	MAPP	4

To advance the purpose of the PHPIC, the themes will be used to convene “learning communities.” PHPIC hopes to help instill methods, skills and finally promote a forward thinking learning community that values quality improvement efforts to enhance public health capacity. The Office of Local Liaison will provide opportunities for state and local partners to meet others that have plans in common under the identified themes. Agencies that will be engaged in common activities are grouped together in the following table.

Table 6 Learning Community Prospects

Common Themes	Agency
Access to Healthcare	Baca County Nursing Service Fremont County Public Health Nursing Service Park County Public Health Nursing Service Rio Grande County Public Health San Juan Basin Health Department Teller County Public Health

Common Themes	Agency
Community Assessment	Bent County Nursing Service Authority Broomfield Health and Human Services Department Cheyenne County Public Health Community Health Services, Inc. Dolores County Nursing Service El Paso County Department of Health and Environment Garfield County Public Health Nursing Service Jefferson County Department of Health and Environment Kiowa County Nursing Service Lincoln County Public Health Nursing Services Mesa County Health Department Pueblo City-County Health Department Teller County Public Health Tri-County Health Department
Developing Protocols	Alamosa County Nursing Service Colorado Directors of Environmental Health Fremont County Public Health Nursing Service Gunnison County Public Health Mesa County Health Department Western Colorado Association of Environmental Health Officials
Disease Control	Alamosa County Nursing Service Baca County Nursing Service CDPHE--All Hazards Preparedness Community Health Services, Inc. Denver Health and Hospital Authority Dolores County Nursing Service El Paso County Department of Health and Environment Garfield County Public Health Nursing Service Hinsdale County Public Health and Community Services Lincoln County Public Health Nursing Services Mineral County Public Health Northwest Colorado Visiting Nurse Association, Inc Otero County Department of Health Public Health Directors of Colorado Pueblo City-County Health Department Rio Blanco County Nursing Service San Juan County Nursing Service Summit County Public Health Nursing Service Weld County Department of Public Health and Environment
Exercising Preparedness Plans	Bent County Nursing Service Authority Clear Creek County Nursing Service Conejos County Nursing Service Costilla County Nursing Service Denver Health and Hospital Authority Gilpin County Public Health Nursing Service Tri-County Health Department

Common Themes	Agency
Immunizations	Cheyenne County Public Health Conejos County Nursing Service Costilla County Nursing Service Kiowa County Nursing Service Montezuma County Health Department Rio Grande County Public Health Weld County Department of Public Health and Environment
Maternal and Child Health	CDPHE--Maternal Child Health Mineral County Public Health Montrose Health and Human Services Ouray County Public Health Department San Juan County Nursing Service
Mobilizing Communities to Improve Public Health	CDPHE--Office of Local Liaison Gilpin County Public Health Nursing Service Prowers County Public Health Nursing Service Rio Blanco County Nursing Service
Public Health Data	Broomfield Health and Human Services Department CDPHE--Consumer Protection CDPHE--Health Statistics CDPHE--Interagency Prevention Systems Clear Creek County Nursing Service Hinsdale County Public Health and Community Services Prowers County Public Health Nursing Service Summit County Public Health Nursing Service
Public Health Performance Improvement	CDPHE--Interagency Prevention Systems CDPHE--Office of Local Liaison Colorado Public Health Association (CPHA) El Paso County Department of Health and Environment Jefferson County Department of Health and Environment Teller County Public Health
Public Health Policy	Colorado Association of Local Public Health Leaders Colorado Directors of Environmental Health Colorado Professionals in Onsite Wastewater (CPOW) Public Health Directors of Colorado
Training	Colorado Environmental Health Association Colorado Professionals in Onsite Wastewater (CPOW) Colorado Public Health Association (CPHA) Colorado Society of Public Health Education Custer County Public Health Nursing Service El Paso County Department of Health and Environment Mesa County Health Department Montezuma County Health Department Montrose Health and Human Services Northwest Colorado Visiting Nurse Association, Inc Otero County Department of Health Park County Public Health Nursing Service San Juan Basin Health Department University of Northern Colorado--Community Health Education Western Colorado Association of Environmental Health Officials

Common Themes	Agency
Workforce Development	Clear Creek County Nursing Service Colorado Directors of Nursing (CDON) Gunnison County Public Health Public Health Nurse Association of Colorado

Communication Strategy for Building Partnerships

The Goal

The goal of this communication plan is to increase awareness of PHPIC, The Plan, and its improvement tools.

Objectives

To meet its communication goal, PHPIC has identified two objectives in which to strive:

- 1) To increase committee participation by 10%; and
- 2) To increase use of the Plan and tools by local public health agencies by 30%.

Primary Target Audience

PHPIC decided that it is important to focus on state and local public health program managers and coordinators as the primary audience for this communication plan. These professionals are generally 30 to 60 years old. They are highly educated and possess some knowledge of principles and practices discussed in the Plan. They are very busy want to do the best for their community. Because program managers and coordinators are directly involved in implementation of programs they are most likely to use the planning tools first-hand.

Secondary Audience

Local Public Health leaders such as directors and health officers have been identified as the secondary audience for this communication plan. They are generally between the ages of 45 and 60 years. They are highly educated with extensive knowledge of principles and practices discussed in the Plan. They are extremely busy and must prioritize initiatives in which they will participate directly. They are responsible for strategic planning and initiatives adopted by the entire agency. Therefore, although they are generally supportive of efforts to improve the Colorado public health systems, they will usually delegate participatory functions to program managers or coordinators and reserve the critical decision-making responsibilities for themselves. This communication plan should assist them in this role.

Desired action

The actions that PHPIC hopes to illicit from partners are to:

- 1) Adopt the Plan and its tools and put them into practice; and
- 2) Adopt the Plan and the tools for use throughout their agency.

Benefit to Target Groups

The expected benefit for participants in the plan is more effective programs and better public health outcomes. The reasons to believe the benefits of participating in the Plan should be manifested by the many examples of successes that will be acknowledged as future cycles of this iterative process are completed in the future. Another reason should be evident in results from follow-up assessments of all or part of the essential services using the NPHPS Local and State Assessment tools.

Strategy

The key strategy for meeting the communication objectives is to communicate with primary target audience who is directly involved in program implementation and evaluation. This approach is being used because it is those directly responsible for program implementation, and thus, a program's success, that would most benefit from the use of the Plan and the tools within it. This group is highly motivated by the desire to "do what is best for the community". Through effective communication, PHPIC can inform this group that the Plan and the tools will help them do that.

Communication Channels

PHPIC has identified three channels that would be most effective in communicating:

- 1) Person-to-Person
- 2) Electronic
- 3) Print

Communication Methods

The following methods will be used to communicate performance improvement messages:

- Presentations
- Conference Calls
- Web cast
- Conference training/exhibit
- E-Mail
- List-Serve

- Web Site
- Newsletter
- Articles in Public Health publications

Timeline

Presentations: CPHA September 2004

Conference Exhibit: CPHA September 2004

Conference Call: Monthly

E-Mail: Ongoing/Monthly Update

List-Serve: Ongoing

Web site: Ongoing

Newsletter: Quarterly

Articles in regular publications: As available (ie. WIC, MCH, Tobacco, NFP etc.)

Effectiveness Measurement

PHPIC will measure successful communication by a:

- 1) Total increase in number of plans submitted to OLL; and
- 2) Total increase in number of participants at PHPIC meetings.

Benchmarks for Improvement

No planning is complete without actions. This is the “do” in the Plan, Do, Study, Act cycle that is discussed in the **Institute for Healthcare Improvement (IHI)** section of this report on Page 1. These actions provide benchmarks and milestones by which progress towards performance improvement can be observed. It is the intent of the PHPIC that these benchmarks and milestones will be assessed regularly and progress will be celebrated at least annually at the Colorado Public Health Conference beginning in Fall 2005. The Office of Local Liaison catalogs these steps in the Public Health Performance Improvement (PHPI) Database. The number following the agency/organization name is a reference number for the plan. The corresponding plans can be found by in the Agency Plan Summaries section on page 76. The benchmarks and milestones are listed in order of expected completion date and agency.

- **10/1/2004**—*Alamosa County Nursing Service* (Plan #39), Those persons with positive ppds or are contacts, and who do not have health insurance, and do not qualify for CHC will receive case management by the PHN who will work with the TB section at CDPHE to help the county fund diagnosis and treatment

- **10/1/2004**—*Alamosa County Nursing Service* (Plan #39), A written agreement between the SLVRMC Radiology Department and ACNS will be developed to assure that the cost of doing an x-ray does not exceed \$35.00.
- **10/1/2004**—*Bent County Nursing Service Authority* (Plan #110), Staff awareness of plan & training of staff in roles given or designated in plan. Staff completion of NIMS. Training in Risk Communication
- **10/1/2004**—*Bent County Nursing Service Authority* (Plan #110), Administrative readiness/making sure all plans have been disseminated to partners, evaluators, comptrollers
- **10/1/2004**—*CDPHE--Interagency Prevention Systems* (Plan #78), Conduct training of staff of the pilot community agencies
- **10/1/2004**—*CDPHE--Interagency Prevention Systems* (Plan #78), Work with web-based program developer to modify and tailor the Colorado Performance-Based Prevention web-based system
- **10/1/2004**—*CDPHE--Maternal Child Health* (Plan #70), Complete a comprehensive Maternal and Child Health Status Assessment Report. Distribute to local public health agencies and stakeholder groups statewide.
- **10/1/2004**—*Cheyenne County Public Health* (Plan #66), Continue staff trainings with regional trainer
- **10/1/2004**—*Cheyenne County Public Health* (Plan #66), Continue monthly MEVC meeting
- **10/1/2004**—*Cheyenne County Public Health* (Plan #66), Continue monthly LEPC meetings
- **10/1/2004**—*Cheyenne County Public Health* (Plan #66), NIMS training
- **10/1/2004**—*Cheyenne County Public Health* (Plan #66), ICS 200 & 300
- **10/1/2004**—*Cheyenne County Public Health* (Plan #66), Regional Table top
- **10/1/2004**—*Cheyenne County Public Health* (Plan #66), Mass Emergency Vaccination Clinic
- **10/1/2004**—*Cheyenne County Public Health* (Plan #66), State BT Conference
- **10/1/2004**—*Clear Creek County Nursing Service* (Plan #3), Distribute to community.
- **10/1/2004**—*Clear Creek County Nursing Service* (Plan #3), Develop community survey questionnaire specific to information needed.
- **10/1/2004**—*Clear Creek County Nursing Service* (Plan #5), Develop a questionnaire to determine skills, credentials/certifications, competencies, contact information and availability, training desired as related to public health emergencies.
- **10/1/2004**—*Colorado Public Health Association (CPHA)* (Plan #76), CPHA will collaborate with the WPHA to organize and advertise this meeting/conference to all public health professionals across Colorado and Wyoming. CPHA will coordinate for speakers and arrangements from a variety of settings.
- **10/1/2004**—*Colorado Public Health Association (CPHA)* (Plan #111), CPHA will collaborate with its Affiliate organizations including the Colorado Minority Health Forum, PH Nurse Association of Colorado, and CO Society of PH Educators to further the plan.
- **10/1/2004**—*Colorado Society of Public Health Education* (Plan #102), COSOPHE will co-sponsor a training event with UNC's Community Health Education Program on the CDCynergies training modules.
- **10/1/2004**—*Colorado Society of Public Health Education* (Plan #101), COSOPHE will provide a training on the Action Research & Evaluation model of program evaluation and planning.
- **10/1/2004**—*Costilla County Nursing Service* (Plan #59), All staff will be informed importance of immunization follow-up.
- **10/1/2004**—*Custer County Public Health Nursing Service* (Plan #72), Newspaper articles and advertisements submitted to Wet Mountain Tribune. Posters, signs, and leaflets made and distributed to notify public of upcoming vaccination dates and times.
- **10/1/2004**—*Custer County Public Health Nursing Service* (Plan #72), Public influenza Vaccination clinics.
- **10/1/2004**—*Custer County Public Health Nursing Service* (Plan #72), Dates will be set for three Mass Prophylaxis/ Immunization clinics and sites reserved: 1. Westcliffe at the Wet Mountain Valley Community Clinic 2. Wetmore at the Community Center 3. Hillside at the Post Office or Grange
- **10/1/2004**—*Custer County Public Health Nursing Service* (Plan #72), The number of volunteers (Medical and non-medical) to work each site on each date will be determined.
- **10/1/2004**—*Custer County Public Health Nursing Service* (Plan #72), Volunteers will be contacted and scheduled into shifts at the three sites and dates.
- **10/1/2004**—*Custer County Public Health Nursing Service* (Plan #72), Beverages and snacks for volunteers purchased. Candy for participants purchased

- **10/1/2004**—*Custer County Public Health Nursing Service* (Plan #72), All necessary forms will be prepared and copies made: Vaccine Information Sheet, Consent forms, Medicare reimbursement roster. All necessary clerical supplies collected (pens, receipts, clip boards, paper clips, rubber bands, tape, etc...)
- **10/1/2004**—*Denver Health and Hospital Authority* (Plan #57), Define, develop and administer a tool to measure employee knowledge of core functions and all-hazards emergency response.
- **10/1/2004**—*Denver Health and Hospital Authority* (Plan #57), In conjunction with supervisors, develop job actions sheets and training materials for these roles.
- **10/1/2004**—*Dolores County Nursing Service* (Plan #53), Collect/analyze survey/send results to state
- **10/1/2004**—*Dolores County Nursing Service* (Plan #53), Distribute survey
- **10/1/2004**—*Dolores County Nursing Service* (Plan #53), Identify Key partners
- **10/1/2004**—*El Paso County Department of Health and Environment* (Plan #7), 2. Lay the foundation; Train core users; Complete hardware installation; Develop common base data layers; Identify needed extensions; and Identify pilot project.
- **10/1/2004**—*El Paso County Department of Health and Environment* (Plan #122), 3. Assist in “resurrection” of City’s MMRS Steering Group: Support new MMRS coordinator, providing any advisory assistance requested; Willingly continue to contribute to updates of deliverables; Incorporate MRSS in EPCDHE Emergency Preparedness Plan, along with other partners
- **10/1/2004**—*Kiowa County Nursing Service* (Plan #36), Continue monthly MEVC meeting
Continue monthly LEPC meetings NIMS training ICS 200 & 300 Regional Table top
Continue staff trainings with regional trainer
- **10/1/2004**—*Kiowa County Nursing Service* (Plan #36), Mass Emergency Vaccination Clinic
- **10/1/2004**—*Mesa County Health Department* (Plan #115), Compile & analyze results from evaluation
- **10/1/2004**—*Mesa County Health Department* (Plan #115), Public Health pages on websites of the 16 counties in the West & NW regions will be evaluated based on the following criteria: 1) functionality - search capabilities, web-enabled database systems. 2) Usability - how easily can information be located. 3) Interface Design - presence of a consistent, aesthetically appealing design encompassing graphics, color & navigational scheme. 4) Data provided - information that is presented for each program & the manner in which it is presented. 5) data standards & documentation - how data is posted, who decides what can be posted, disclosure of information to assess the quality of the site, how well data can be compared between counties.
- **10/1/2004**—*Mesa County Health Department* (Plan #115), Develop standards that meet the needs of all counties involved & assess technology requirements
- **10/1/2004**—*Mesa County Health Department* (Plan #115), Provide report to each county on their website addressing what works well and area for improvement
- **10/1/2004**—*Mineral County Public Health* (Plan #49), Identify Local Public Health Organizations
- **10/1/2004**—*Prowers County Public Health Nursing Service* (Plan #32), Compile data utilizing secondary data sources such as vital stats, BRFSS, Disease data, MCH, psychosocial, census, etc.
- **10/1/2004**—*Pueblo City-County Health Department* (Plan #18), Present & review new revised plan to all Pueblo City-County Health Department staff at a staff meeting.
- **10/1/2004**—*San Juan Basin Health Department* (Plan #43), Basic ICS/NIMS training
- **10/1/2004**—*San Juan Basin Health Department* (Plan #62), Develop list of private providers, pay sources and numbers of clients each, types of services provided.
- **10/1/2004**—*Tri-County Health Department* (Plan #16), Obtain appropriate data elements from CDPHE, Census and State Demographer.
- **10/1/2004**—*University of Northern Colorado--Community Health Education* (Plan #90), CDCynergies trainer(s) will present a training module on the use of the CDCynergies system to graduate students in the Program Planning & Evaluation Course.
- **10/1/2004**—*University of Northern Colorado--Community Health Education* (Plan #91), Provide speakers on health diversity and other public health issues for training of graduate students
- **10/1/2004**—*Weld County Department of Public Health and Environment* (Plan #10), Conduct Full-scale Mass Immunization Clinic.
- **11/1/2004**—*Alamosa County Nursing Service* (Plan #38), A meeting will be convened to assess the current capacity
- **11/1/2004**—*Broomfield Health and Human Services Department* (Plan #82), The Director of Health and Human Services, Health and Human Services Advisory Committee (HHSAC) and Public Health

and Environment supervisory staff will meet to brainstorm and determine the focus of the public health community assessment

- **11/1/2004**—*Broomfield Health and Human Services Department* (Plan #83), The Director of Health and Human Services, Health and Human Services Advisory Committee (HHSAC) and Public Health and Environment supervisory staff will meet to brainstorm and determine the focus of the public health evaluation of service delivery.
- **11/1/2004**—*CDPHE--Consumer Protection* (Plan #69), Coordination with Potential Sub-Contractor
- **11/1/2004**—*CDPHE--Interagency Prevention Systems* (Plan #77), Incorporating the UMS in RFPs (applications and selection) and contracts
- **11/1/2004**—*Community Health Services, Inc.* (Plan #104), Meet with Ellen Wurst (WAHEC) to determine what resources are available to conduct a regional community assessment. Resources: graduate students, grants
- **11/1/2004**—*Costilla County Nursing Service* (Plan #60), Evaluate the mock exercise and make improvements to the emergency plan if needed. Begin planning for the next mock exercise.
- **11/1/2004**—*Custer County Public Health Nursing Service* (Plan #72), Have public and volunteers evaluate the flu clinic they attended, how they heard about the clinic, and any comments or suggestions for next year. Write report (After Action Report) about clinics, lessons learned, changes for next year.
- **11/1/2004**—*Custer County Public Health Nursing Service* (Plan #72), Send Thank you notes to all volunteers
- **11/1/2004**—*El Paso County Department of Health and Environment* (Plan #42), 2 Select partnership, criteria may include: Is the Dept. the founding force or facilitator to serve one of our 10 essential services/programs; Is the partnership ready for change; establish community's priority for health and the HP 2010 focus areas.
- **11/1/2004**—*Fremont County Public Health Nursing Service* (Plan #68), A community assessment will be done using community responders, key informants & health data for the county
- **11/1/2004**—*Garfield County Public Health Nursing Service* (Plan #73), Meet with Ellen Wurst (WCAHEC) to determine what resources are available to conduct a regional community assessment: Resources: graduate students, grants
- **11/1/2004**—*Gunnison County Public Health* (Plan #8), 1. Assessment of current protocols & training of GVH ER staff.
- **11/1/2004**—*Jefferson County Department of Health and Environment* (Plan #103), Develop a Decision Package to present to JCDHE Directors, Jeffco BOH and Jeffco BOCC
- **11/1/2004**—*Mesa County Health Department* (Plan #81), Identify gaps in the infrastructure of communicable disease response in an emergency including people, equipment and training necessary
- **11/1/2004**—*Mesa County Health Department* (Plan #115), Develop implementation plan for each county 7 provide training & assistance where needed
- **11/1/2004**—*Montrose Health and Human Services* (Plan #24), Collaborate funding from multiple sources to purchase, set-up and provide technical support to video conferencing.
- **11/1/2004**—*Prowers County Public Health Nursing Service* (Plan #32), Complete community & key informant surveys.
- **11/1/2004**—*Rio Blanco County Nursing Service* (Plan #79), Table top exercise
- **11/1/2004**—*San Juan County Nursing Service* (Plan #45), Conduct informal interviews by phone or door to door with community people.
- **11/1/2004**—*San Juan County Nursing Service* (Plan #45), * Post banners (as we have no billboards)
- **11/1/2004**—*Summit County Public Health Nursing Service* (Plan #15), Public Health PIO/Director will meet with countywide PIOs. Learn current structure and participate in planning for on going work group. Assist group with educational opportunities, plan for additional requirements of group to assure cooperation.
- **11/1/2004**—*Tri-County Health Department* (Plan #16), Develop programming to summarize health data thoroughly & in a timely manner.
- **11/1/2004**—*Western Colorado Association of Environmental Health Officials* (Plan #94), Brainstorming with WCAEHO group during a scheduled meeting. A list of priorities will be established.
- **12/1/2004**—*Broomfield Health and Human Services Department* (Plan #82), Once the focus of the survey is determined, outside research/evaluation firms will be contacted for project solicitation.
- **12/1/2004**—*Broomfield Health and Human Services Department* (Plan #83), Once the focus of the survey is determined, outside research/evaluation firms will be contacted for project solicitation.

- **12/1/2004**—*CDPHE--Maternal Child Health (Plan #70)*, Conduct collaborative process to consider data and select priority needs and establish performance measures to measure progress in addressing those needs. Include local public health agencies; other state agencies; professional organizations; advisory, advocacy and consumer groups.
- **12/1/2004**—*CDPHE--Office of Local Liaison (Plan #105)*, Learning communities will be identified from the Colorado Public Health Performance Improvement Plan.
- **12/1/2004**—*Cheyenne County Public Health (Plan #65)*, Introduce students to MAPP process and role in data gathering; Help make student placements and assignments Maintain desired collaboration with key stakeholders (MAPP Committee) through periodic meetings; Collaborate throughout with OLL (PHN consultant) for further MAPP training, guidance, and assistance if necessary; Sept-November: Data collection: Community Health Profile and Themes and Stengths Assessment ; Analysis, Community Presentation Conduct Forces of Change Assessment; When applicable, incorporate assessment data from a variety of available resources including the Local Capacity Assessment findings.
- **12/1/2004**—*Clear Creek County Nursing Service (Plan #4)*, Incorporate post exercise evaluation of 7/04 into Public Health Emergency Preparedness Plans.
- **12/1/2004**—*Clear Creek County Nursing Service (Plan #4)*, Update Public Health Emergency Preparedness plans.
- **12/1/2004**—*Clear Creek County Nursing Service (Plan #4)*, Notify staff and partners of role changes and changes in public health plans.
- **12/1/2004**—*Clear Creek County Nursing Service (Plan #4)*, Plan exercise to test updated plan and complete a post exercise evaluation.
- **12/1/2004**—*Clear Creek County Nursing Service (Plan #5)*, Distribute questionnaire to Nurse Alert volunteers and community partners in EMS, and other agencies.
- **12/1/2004**—*Conejos County Nursing Service (Plan #63)*, After hours Immunization clinics held once a month
- **12/1/2004**—*Custer County Public Health Nursing Service (Plan #72)*, Order Vaccine for 2005
- **12/1/2004**—*Denver Health and Hospital Authority (Plan #58)*, Estimate the expected service population for each location using the model formulas
- **12/1/2004**—*Fremont County Public Health Nursing Service (Plan #19)*, Roster of personnel with technical expertise to respond to potential biological, chemical, radiological public health emergencies will be prepared.
- **12/1/2004**—*Fremont County Public Health Nursing Service (Plan #19)*, Case investigation protocols will be in place.
- **12/1/2004**—*Fremont County Public Health Nursing Service (Plan #19)*, Fact sheets for communicable disease, chemical, biological 7 radiological threats will be prepared.
- **12/1/2004**—*Gunnison County Public Health (Plan #8)*, 2. Meet with Hospital CEO, Hospital DOM & ER Supervisor for plan to proceed & develop timeline.
- **12/1/2004**—*Kiowa County Nursing Service (Plan #37)*, Introduce students to MAPP process and role in data gathering Help make student placements and assignments Maintain desired collaboration with key stakeholders (MAPP Committee) through periodic meetings Collaborate throughout with OLL (PHN consultant) for further MAPP training, guidance, and assistance if necessary Sept-November: Data collection: Community Health Profile and Themes and Stengths Assessment ; Analysis, Community Presentation Conduct Forces of Change Assessment When applicable, incorporate assessment data from a variety of available resources including the Local Capacity Assessment findings.
- **12/1/2004**—*Mineral County Public Health (Plan #50)*, Educate elected officials (county commissioners and City Council members) about the public health issue of youth smoking and the importance of limiting the display of tobacco products to behind the counter. This will be done during public meetings
- **12/1/2004**—*Mineral County Public Health (Plan #49)*, Contact staff of identified LPHS organizations
- **12/1/2004**—*Mineral County Public Health (Plan #50)*, Educate the public through newspaper articles, informational flyers and public meetings about the public health issue of youth smoking and the importance of limiting the display of tobacco products to behind the counter.
- **12/1/2004**—*Montezuma County Health Department (Plan #47)*, Finish data entry on the IZ registry.
- **12/1/2004**—*Montezuma County Health Department (Plan #48)*, Work with regional BT team to address identified gaps in infrastructure and communication.

- **12/1/2004**—*Montezuma County Health Department* (Plan #48), Identify gaps in the infrastructure in regards to communicable disease response and address as warranted.
- **12/1/2004**—*Montezuma County Health Department* (Plan #48), Designate an investigative response team with appropriate protocols for responding to a public health emergency.
- **12/1/2004**—*Montezuma County Health Department* (Plan #48), Update local providers regarding communicable disease reporting requirements/protocols.
- **12/1/2004**—*Park County Public Health Nursing Service* (Plan #55), Each member of the Park County Public Health Nursing team will have received BNICE Training by the end of 2004.
- **12/1/2004**—*Park County Public Health Nursing Service* (Plan #56), Work with the Resource Exchange to ensure that persons with disabilities will have access to services.
- **12/1/2004**—*Pueblo City-County Health Department* (Plan #17), Develop a plan for gathering Pueblo health data.
- **12/1/2004**—*Rio Grande County Public Health* (Plan #118), Develop a system to improve communication between involved agencies.
- **12/1/2004**—*San Juan County Nursing Service* (Plan #45), Increase media exposure through radio public service announcements.
- **1/1/2005**—*CDPHE--Health Statistics* (Plan #109), Solicit input from locals re: most important indicators
- **1/1/2005**—*CDPHE--Office of Local Liaison* (Plan #105), Community members will be contacted and surveyed for interest.
- **1/1/2005**—*Cheyenne County Public Health* (Plan #65), Oversee project report that includes all expected elements Use data for agency's community health plan Plan for continuation of MAPP process that includes community participation to set priorities for health planning
- **1/1/2005**—*Clear Creek County Nursing Service* (Plan #3), Analyze data collected.
- **1/1/2005**—*Colorado Association of Local Public Health Leaders* (Plan #89), Collaborate with PHDC in develop strategies for advancing policies that support local control in establishing costs for operating inspection programs and the appropriate formula for supporting services between local government and industry.
- **1/1/2005**—*Colorado Directors of Environmental Health* (Plan #92), A meeting to update and improve procedures and protocols for local EH professionals to respond to public health emergencies.
- **1/1/2005**—*Colorado Directors of Environmental Health* (Plan #92), A final copy with comments put together for distribution.
- **1/1/2005**—*Colorado Directors of Environmental Health* (Plan #92), A final draft will be put together and distributed to CDEH for review and comments.
- **1/1/2005**—*Colorado Directors of Nursing (CDON)* (Plan #84), Report on progress of a CDC/ASTDN cooperative agreement on PHN Workforce Readiness for Emergency Preparedness
- **1/1/2005**—*El Paso County Department of Health and Environment* (Plan #122), 2. Continue to lead the Emerging Infectious Disease Coalition; Provide administrative oversight and professional facilitation to this group of emergency management, hospitals, and other health and social service agencies to strategize about the enormous problem should an infectious disease outbreak overwhelm our community's medical system. Foster collaboration of medical facilities in providing their medical emergency response plans to EPCDHE for consolidation into one community wide plan; Conduct abbreviated tabletop exercise during meeting which have been meeting every two months, but change meetings to monthly, with tabletop every other month.
- **1/1/2005**—*Fremont County Public Health Nursing Service* (Plan #68), Gaps in service will be addressed after community assessment is compiled
- **1/1/2005**—*Hinsdale County Public Health and Community Services* (Plan #52), In-service for staff of local medical center concerning reportable diseases and disease surveillance; MOU with medical center to cooperate with public health for disease surveillance
- **1/1/2005**—*Kiowa County Nursing Service* (Plan #37), Oversee project report that includes all expected elements Use data for agency's community health plan Plan for continuation of MAPP process that includes community participation to set priorities for health planning
- **1/1/2005**—*Otero County Department of Health* (Plan #26), Executive Director will learn how to use GPS.
- **1/1/2005**—*Public Health Directors of Colorado* (Plan #100), Develop strategies for advancing policies that support local control in establishing costs for operating inspection programs and the appropriate formula for supporting services between local government and industry.
- **1/1/2005**—*Rio Blanco County Nursing Service* (Plan #79), Evaluation of PH All Hazards Plan

- **1/1/2005**—*Rio Blanco County Nursing Service* (Plan #79), Updating contact list
- **1/1/2005**—*Rio Blanco County Nursing Service* (Plan #80), Set up community meeting to educate partners in the MAP process
- **1/1/2005**—*Rio Grande County Public Health* (Plan #119), Meet to develop a work plan to address special populations' needs related to mass dispensing/immunization.
- **1/1/2005**—*Rio Grande County Public Health* (Plan #119), Identify categories of special needs populations
- **1/1/2005**—*Teller County Public Health* (Plan #11), Program Evaluations- All TCPH program coordinators.
- **1/1/2005**—*Teller County Public Health* (Plan #12), Obtain current data (BRYFSS, CYS & YRBS, Community Assessment and Program Evaluation.
- **1/1/2005**—*Tri-County Health Department* (Plan #16), Produce final report of assessment with pertinent data & text.
- **2/1/2005**—*Alamosa County Nursing Service* (Plan #38), Seek participation of the San Luis Valley All hazard Council to assure that duplication is avoided and assessment is accurate. Channel assignments will be made.
- **2/1/2005**—*Broomfield Health and Human Services Department* (Plan #83), Survey distributed within community and evaluation results compiled.
- **2/1/2005**—*Broomfield Health and Human Services Department* (Plan #82), Survey distributed within community and evaluation results compiled.
- **2/1/2005**—*Clear Creek County Nursing Service* (Plan #3), Evaluate questionnaire, data collection process for further use.
- **2/1/2005**—*Clear Creek County Nursing Service* (Plan #5), Analyze results of questionnaire and develop a plan for training needs of workforce incorporating state and local resources.
- **2/1/2005**—*Colorado Directors of Nursing (CDON)* (Plan #85), A draft will be developed for the first meeting of 2005 for group comment and edit.
- **2/1/2005**—*Colorado Professionals in Onsite Wastewater (CPOW)* (Plan #97), Develop and present onsite wastewater treatment trainings for professionals on the west slope and front range.
- **2/1/2005**—*Community Health Services, Inc.* (Plan #104), Collect data using a theoretical framework & population health registries
- **2/1/2005**—*El Paso County Department of Health and Environment* (Plan #7), 3. Complete Pilot Project and prepare for full implementation; Purchase plotter; Reevaluate architecture decisions; Develop policies for usage and publication (especially in regards to HIPAA); Finalize data collection strategies; Develop plan for bringing on additional users; and Team familiarizes itself with Public Health GIS applications throughout the country.
- **2/1/2005**—*El Paso County Department of Health and Environment* (Plan #42), 3 Apply the criteria using input from the Dept's representatives to partnership.
- **2/1/2005**—*Garfield County Public Health Nursing Service* (Plan #73), Collect data using a theoretical framework & population health registries
- **2/1/2005**—*Gunnison County Public Health* (Plan #23), Meetings evry 1-2 months for 6 months with GVH Administration & DON Gunnison Health Care Center Admin & DON and Public Health to develop a plan
- **2/1/2005**—*Hinsdale County Public Health and Community Services* (Plan #52), Prepare contact list for epidemiological experts to assess, investigate, and analyze health treats and health hazards
- **2/1/2005**—*Hinsdale County Public Health and Community Services* (Plan #52), Training on CEDRS for disease reporting
- **2/1/2005**—*Jefferson County Department of Health and Environment* (Plan #103), Develop and RFP for Academia to bid on a grant for development of the tool
- **2/1/2005**—*Mesa County Health Department* (Plan #75), Template response guidance documents will be developed for incidents as prioritized by staff.
- **2/1/2005**—*Mesa County Health Department* (Plan #81), Build capacity to address gaps including training and equipment needs.
- **2/1/2005**—*Mineral County Public Health* (Plan #49), Develop contact information (fax, phone, e-mail, mailing address, emergency contact information) for each organization into electronic and hard copy formats
- **2/1/2005**—*Prowers County Public Health Nursing Service* (Plan #32), Compile, analyze & complete.

- **2/1/2005**—*Public Health Nurse Association of Colorado* (Plan #108), A draft will be developed for the first meeting of 2005 for group comment and edit.
- **2/1/2005**—*San Juan County Nursing Service* (Plan #45), Review existing efforts in community (curriculum, programs, activities,...) to determine who benefits and what the degree of success has been
- **2/1/2005**—*Tri-County Health Department* (Plan #16), Post final report on website so information is accessible by the public & community partners.
- **3/1/2005**—*CDPHE--Health Statistics* (Plan #109), Geocode data
- **3/1/2005**—*CDPHE--Office of Local Liaison* (Plan #105), Learning communities will be convened.
- **3/1/2005**—*CDPHE--Office of Local Liaison* (Plan #107), Identify potential funding sources.
- **3/1/2005**—*Colorado Association of Local Public Health Leaders* (Plan #88), Identify and prioritize improvement areas based on model standard.
- **3/1/2005**—*El Paso County Department of Health and Environment* (Plan #6), 6. Gather data/Analyze data.
- **3/1/2005**—*El Paso County Department of Health and Environment* (Plan #6), 7. Write Community Health Status Assessment Initial Report.
- **3/1/2005**—*Gunnison County Public Health* (Plan #8), 3. Revise or develop protocols for ER nurses to begin epidemiologic case investigation.
- **3/1/2005**—*Hinsdale County Public Health and Community Services* (Plan #52), Develop procedure to alert community to possible health threats and disease outbreaks
- **3/1/2005**—*Jefferson County Department of Health and Environment* (Plan #103), Report findings , review tool with Peers and distribute based on review
- **3/1/2005**—*Mesa County Health Department* (Plan #81), Build capacity to address gaps including training and equipment needs.
- **3/1/2005**—*Mineral County Public Health* (Plan #50), Get on the agenda for the County Commissioners and the City of Creede. Propose ordinance that will require tobacco to be displayed behind the counter.
- **3/1/2005**—*Mineral County Public Health* (Plan #49), Distribute LPHS directory to organizations within LPHS. Incorporate information into County Emergency Plan
- **3/1/2005**—*San Juan County Nursing Service* (Plan #45), Conduct local focus groups to discuss issues and develop strategies.
- **3/1/2005**—*San Juan County Nursing Service* (Plan #45), Visit and invest community leaders in the cause..
- **3/1/2005**—*Summit County Public Health Nursing Service* (Plan #22), Convene assessment team to determine model for community health assessment. Assure community participation to include diversity of information, assure representation of diverse populations and to include/review recent data from all possible venues.
- **3/1/2005**—*Western Colorado Association of Environmental Health Officials* (Plan #94), Reps from WCAEHO – led by Richard Stenson
- **4/1/2005**—*Broomfield Health and Human Services Department* (Plan #82), Results of evaluation/survey shared with the City and County of Broomfield. Based on results identify areas of strengths, weaknesses and recommended changes
- **4/1/2005**—*Broomfield Health and Human Services Department* (Plan #83), Results of evaluation/survey shared with the City and County of Broomfield. Based on results identify areas of strengths, weaknesses and recommended changes
- **4/1/2005**—*CDPHE--Office of Local Liaison* (Plan #105), Common strengths, needs, and barriers will be identified. Strategies identified for improvement and external resources identified.
- **4/1/2005**—*El Paso County Department of Health and Environment* (Plan #6), 8. Release initial report to the community.
- **4/1/2005**—*Mesa County Health Department* (Plan #75), Training opportunities will be researched and reserved.
- **4/1/2005**—*Mineral County Public Health* (Plan #50), Pass ordinance that will require tobacco to be displayed behind the counter.
- **4/1/2005**—*Otero County Department of Health* (Plan #26), Executive Director will train appropriate members of his staff in the use of GPS.

- **4/1/2005**—*Prowers County Public Health Nursing Service* (Plan #29), 1) Completed community assessment will be summarized and presented to county residents through various forums with the intent of gathering input from the population over a 3-4 month time span.
- **4/1/2005**—*Prowers County Public Health Nursing Service* (Plan #32), Present to community in a summary report.
- **4/1/2005**—*San Juan County Nursing Service* (Plan #45), As time allows: Introduce information about the issue through presentations and media.
- **4/1/2005**—*San Juan County Nursing Service* (Plan #45), Publish newspaper editorials and articles with general information but relate information to local situation.
- **4/1/2005**—*San Juan County Nursing Service* (Plan #45), Encourage parent community leaders to join youth center advisory group. Provide information on the issue.
- **4/1/2005**—*San Juan County Nursing Service* (Plan #45), Initiate own events (potlucks, dessert bat) to present information on this need.
- **4/1/2005**—*San Juan County Nursing Service* (Plan #45), Prepare and submit articles for church bulletins, school bulletins, local newspaper, weekly town email updates, SJCNS website,...
- **4/1/2005**—*San Juan County Nursing Service* (Plan #45), Continue engagement with the Partners in Parenting (PIP) outreach resource program to assist in the effort with biweekly parenting tips, posters, and/or brochures, e.g., postings @ school, preschool, USPO, Laundromat, grocery store, town library).
- **4/1/2005**—*San Juan County Nursing Service* (Plan #45), US Dept of Education (K-2)
- **4/1/2005**—*San Juan County Nursing Service* (Plan #45), Present information to local related community groups, e.g., preschool and school parent meetings/ school expeditions, preschool council, school board meeting, commissioner's meeting,...
- **4/1/2005**—*San Juan County Nursing Service* (Plan #45), Life Skills Training (elementary)
- **5/1/2005**—*Alamosa County Nursing Service* (Plan #38), A decision by the above players will be made about the most effective mode of radio communication as well as what is the most cost effective.
- **5/1/2005**—*CDPHE--Health Statistics* (Plan #109), Beta test mapping capabilities
- **5/1/2005**—*CDPHE--Maternal Child Health* (Plan #70), Facilitate Learning Communities, videoconferences and identification of best or promising practices to address selected priorities and their Performance Measures
- **5/1/2005**—*Colorado Association of Local Public Health Leaders* (Plan #89), Collaborate with PHDC in implement strategies to create local authority for setting food safety fees.
- **5/1/2005**—*Colorado Environmental Health Association* (Plan #87), CEHA will organize and advertise this workshop to all CEHA members and Local Health Departments, Community Health Division's. CEHA will coordinate speakers from CDPH&E and local health department staff experienced in public health investigations.
- **5/1/2005**—*El Paso County Department of Health and Environment* (Plan #7), 4. Extend GIS awareness and capabilities throughout the organization; Train second level of users; and Create a GIS users group for sharing of skills and ideas.
- **5/1/2005**—*Lincoln County Public Health Nursing Services* (Plan #35), Educate the public about West Nile Virus & mosquito control through newspaper articles, pamphlet distributing & PowerPoint presentations at community sites
- **5/1/2005**—*Public Health Directors of Colorado* (Plan #99), Rules and regulations or legislative authority will be obtained, mandating the provision of the adopted basic personal health services in Colorado.
- **5/1/2005**—*Public Health Directors of Colorado* (Plan #100), Implement strategies to create local authority for setting food safety fees.
- **5/1/2005**—*San Juan County Nursing Service* (Plan #45), Life Skills Training (middle school)
- **5/1/2005**—*San Juan County Nursing Service* (Plan #45), Reconnecting Youth (high school)
- **6/1/2005**—*Broomfield Health and Human Services Department* (Plan #82), If recommendations are approved, assess additional budget revision to accommodate changes/revisions to program services
- **6/1/2005**—*Broomfield Health and Human Services Department* (Plan #83), If recommendations are approved, assess additional budget revision to accommodate changes/revisions to program services
- **6/1/2005**—*CDPHE--Maternal Child Health* (Plan #70), Incorporate new priorities and performance measures in county and state MCH Plan development instructions and tools. Provide county-level data for performance measures, where possible, and technical assistance to analyze and use data in planning process. Award MCH funds to Local Health Departments for approved plans. Update and provide data annually.
- **6/1/2005**—*CDPHE--Office of Local Liaison* (Plan #107), Apply for grants.

- **6/1/2005**—*Colorado Association of Local Public Health Leaders* (Plan #88), Develop strategies for addressing improvement areas.
- **6/1/2005**—*Community Health Services, Inc.* (Plan #104), Compile data to identify gaps, unmet needs & trends using a population health profile
- **6/1/2005**—*El Paso County Department of Health and Environment* (Plan #42), 4 Meet with the selected community groups, educate about the benefits, process and expected outcomes. Gain their support and commitment to the whole process including improvement plan development and implementation.
- **6/1/2005**—*Garfield County Public Health Nursing Service* (Plan #73), Compile data to identify gaps, unmet needs & trends using a population health profile
- **6/1/2005**—*Gunnison County Public Health* (Plan #8), 4. At least one training will be given by Public Health nurse to GVH ER nurses.
- **6/1/2005**—*Lincoln County Public Health Nursing Services* (Plan #34), Conduct formal Community Health Assessment by surveying the community, the youth and key informants
- **6/1/2005**—*Montrose Health and Human Services* (Plan #25), Follow-up survey of helmet use of school age children.
- **6/1/2005**—*Montrose Health and Human Services* (Plan #25), Collaborate with Police Dept at least twice a year to provide helmets for their bike rodeos.
- **6/1/2005**—*Ourray County Public Health Department* (Plan #46), collect school weight screening data
- **6/1/2005**—*Public Health Directors of Colorado* (Plan #98), 1) A plan will be developed outlining resources that would be available to a community when an unusual number of TB cases have been identified. This plan will outline the process for requesting assistance, the criteria for determining the need, and the roles and responsibilities of the requesting agency and the state health department
- **6/1/2005**—*Public Health Directors of Colorado* (Plan #98), 2) A system of state-wide technical support will be developed that is available to communities in need. This may include regional epidemiologists from other regions, other local health officers that are willing to lend guidance and expertise, and other state personnel that can be on site to assist in bringing the outbreak under control.
- **6/1/2005**—*Public Health Directors of Colorado* (Plan #99), Clarification on who has the authority to require local public health services will be obtained.
- **6/1/2005**—*Public Health Directors of Colorado* (Plan #99), An updated list of basic and recommended personal health services will be approved by the State Board of Health.
- **6/1/2005**—*Pueblo City-County Health Department* (Plan #17), Implement the plan.
- **6/1/2005**—*Rio Grande County Public Health* (Plan #119), Develop strategies to address needs at clinics, transportation, and home delivery.
- **6/1/2005**—*Teller County Public Health* (Plan #11), Local Community Assessment – TCPH Director, focus groups.
- **6/1/2005**—*Teller County Public Health* (Plan #12), WHAM, Diabetes, Steps, School Health, Prenatal, WIC, Immunizations (Child and Adult), Child Health (HCP, EPSDT), Cancer Control, Family Planning, Senior Services, All Hazard Education, Emergency Preparedness, BT---will individually and collaboratively develop program and agency evaluations and establish Q.A. indicators and monitors.
- **6/1/2005**—*Teller County Public Health* (Plan #33), Conduct formal Community Health Assessment by surveying the community, the youth and key informants.
- **6/1/2005**—*Tri-County Health Department* (Plan #13), Conduct exercise using observers/evaluators to track timeline of task completion.
- **6/1/2005**—*Tri-County Health Department* (Plan #13), Identify participants, facilitators, and an evaluation team who will actively be involved in each exercise.
- **6/1/2005**—*Tri-County Health Department* (Plan #13), Identify clear objectives to address during each exercise that can be evaluated using the ODP guidance.
- **6/1/2005**—*Tri-County Health Department* (Plan #13), Develop a detailed MSEL.
- **6/1/2005**—*Tri-County Health Department* (Plan #13), Identify critical tasks to be evaluated during the exercise and incorporate these into the Master Scenario Events List (MSEL).
- **6/1/2005**—*Tri-County Health Department* (Plan #13), Design all exercises for TCHD staff using the Office of Domestic Preparedness (ODP) Exercise Evaluation Planning guidance.
- **7/1/2005**—*Alamosa County Nursing Service* (Plan #38), Develop a plan for obtaining funding for actual radios as well as training in their use.
- **7/1/2005**—*Baca County Nursing Service* (Plan #113), get clients scheduled as quickly as possible

- **7/1/2005**—*Baca County Nursing Service* (Plan #112), Meetings will be held every 2 months & activities planned to improve our response time
- **7/1/2005**—*Baca County Nursing Service* (Plan #113), WIC clinics are advertised in local papers weekly
- **7/1/2005**—*Bent County Nursing Service Authority* (Plan #28), Establish a plan of improvements that will benefit health care for the community.
- **7/1/2005**—*Bent County Nursing Service Authority* (Plan #28), Regularly attend monthly advisory board meeting for the community Continue meeting with community partners, keeping abreast of all programs that is being offered in the community.
- **7/1/2005**—*Bent County Nursing Service Authority* (Plan #110), Every staff member will have copy of hazard plan & will understand the necessity of plan. Staff will actively suggest improvements of plan
- **7/1/2005**—*CDPHE--Health Statistics* (Plan #109), Go live with new mapping module
- **7/1/2005**—*CDPHE--Maternal Child Health* (Plan #70), Submit 5-Year Needs Assessment and Plan to Maternal and Child Health Bureau
- **7/1/2005**—*Colorado Directors of Nursing (CDON)* (Plan #85), Final Draft will be presented for approval from the CPHND group.
- **7/1/2005**—*Colorado Public Health Association (CPHA)* (Plan #111), Participate on the PHIP Collaborative
- **7/1/2005**—*Community Health Services, Inc.* (Plan #74), Develop an Incident Action Plan for West Nile Season July 1-Oct 31, 2004, with modifications related surveillance activity
- **7/1/2005**—*El Paso County Department of Health and Environment* (Plan #6), 9. Release full report to the community.
- **7/1/2005**—*Jefferson County Department of Health and Environment* (Plan #116), Report developed for citizens, decision makers & internal customers
- **7/1/2005**—*Jefferson County Department of Health and Environment* (Plan #116), Develop a scope of work, submit contractor bids
- **7/1/2005**—*Jefferson County Department of Health and Environment* (Plan #116), Contractor completes survey, tabulates data & presents JCDHE for review
- **7/1/2005**—*Jefferson County Department of Health and Environment* (Plan #116), Hire contractor to perform assessment
- **7/1/2005**—*Jefferson County Department of Health and Environment* (Plan #103), Award grant, receive the tool, and apply the tool
- **7/1/2005**—*Public Health Directors of Colorado* (Plan #98), 3) Allocate a specific amount of state resources to help fund and staff this process. These resources would be available each year for this purpose and would include payment for medical procedures as well as availability of personnel to locals if needed.
- **7/1/2005**—*Public Health Nurse Association of Colorado* (Plan #108), Final Draft will be presented for approval from the CPHND group.
- **7/1/2005**—*Teller County Public Health* (Plan #33), evaluate present & future programs for effectiveness & assurance
- **7/1/2005**—*Western Colorado Association of Environmental Health Officials* (Plan #94), A final list will be determined by WCAEHO in a regular meeting.
- **8/1/2005**—*Dolores County Nursing Service* (Plan #54), Test plan
- **8/1/2005**—*Fremont County Public Health Nursing Service* (Plan #19), Practice drills will be done quarterly.
- **8/1/2005**—*Garfield County Public Health Nursing Service* (Plan #121), To develop policies and procedures to address citizens needs for Haz-Mat, emergency preparedness, and safety.
- **8/1/2005**—*Mesa County Health Department* (Plan #75), Training for the top three EH emergency response protocols will be conducted.
- **8/1/2005**—*Summit County Public Health Nursing Service* (Plan #15), Participate in countywide mock exercise as part of PIO team.
- **9/1/2005**—*Broomfield Health and Human Services Department* (Plan #82), Plan adopted by Broomfield Board of Health
- **9/1/2005**—*Broomfield Health and Human Services Department* (Plan #83), Plan adopted by Broomfield Board of Health
- **9/1/2005**—*CDPHE--Office of Local Liaison* (Plan #105), Report on Community Learning will be written
- **9/1/2005**—*Colorado Public Health Association (CPHA)* (Plan #111), Outreach to PH System partners all across CO to raise awareness, inform and foster implementation of PHIPs throughout the state

- **9/1/2005**—*El Paso County Department of Health and Environment* (Plan #42), 5 Distribute and collect the assessment, enter results into data collection tool, analyze and write summary.
- **9/1/2005**—*Lincoln County Public Health Nursing Services* (Plan #34), Present community health profile & data to stakeholders for assessment & to assure health needs are being met & monitored
- **9/1/2005**—*Lincoln County Public Health Nursing Services* (Plan #34), Evaluate present & future programs for effectiveness & assurance
- **9/1/2005**—*Mesa County Health Department* (Plan #115), Implement above plan
- **9/1/2005**—*Prowers County Public Health Nursing Service* (Plan #29), 1) Findings will be applied to improve health communication & health education/promotion interventions for the next 5 years with in the limitations of county resources, both financial and staffing.
- **9/1/2005**—*Public Health Nurse Association of Colorado* (Plan #86), Mentoring Resources through PHNAC membership
- **9/1/2005**—*Rio Grande County Public Health* (Plan #119), Incorporate strategies into public health emergency plans
- **9/1/2005**—*Summit County Public Health Nursing Service* (Plan #22), Plan for assessment collection including qualitative & quantitative information.
- **9/1/2005**—*Teller County Public Health* (Plan #33), Present community health profile & data to stakeholders for assessment & to assure health needs are being met & monitored.
- **10/1/2005**—*Broomfield Health and Human Services Department* (Plan #83), Broomfield City Council Members
- **10/1/2005**—*Broomfield Health and Human Services Department* (Plan #82), Implement changes identified by community members.
- **10/1/2005**—*CDPHE--Office of Local Liaison* (Plan #117), Write an annual report on pilot project progress--lessons learned.
- **10/1/2005**—*CDPHE--Office of Local Liaison* (Plan #117), Convene a data providers group
- **10/1/2005**—*Denver Health and Hospital Authority* (Plan #57), Identify continuing education and training opportunities; Schedule trainings for managers and supervisors
- **10/1/2005**—*Montezuma County Health Department* (Plan #47), Quarterly meetings of IZ coalition
- **10/1/2005**—*Montezuma County Health Department* (Plan #47), Health promotion/education regarding the importance of immunizations (newspapers, radio etc.)
- **12/1/2005**—*Colorado Directors of Environmental Health* (Plan #93), I.Evaluate local OSWT programs and report on performance statewide Develop matrix / questionnaire type of assessment tool (possibly web-based); Peer review, analysis and revision of tool; Administer assessment tool to participating agencies (estimate: 24 agencies); Collect and tabulate data; Review, analyze and summarize data; Provide report on findings
- **12/1/2005**—*Colorado Directors of Environmental Health* (Plan #93), IV.Convene an OSWT Stakeholder Steering Committee composed of public health officials, local board of health representatives, state health officials, academics and industry representativesReview new products and processes in the onsite wastewater field.Comparison of regulatory controls in other jurisdictionsMake recommendations on use of devices / processes for Colorado
- **12/1/2005**—*Colorado Directors of Environmental Health* (Plan #93), II.Establish criteria for a basic local OSWT program; Evaluate established codes for OWTS including BMPs as contained in state and local codes, EPA recommendations, NOWRA, etc.; Draft model for basic local OWTS program; Peer review, analysis and revision Summarize and distribute final document
- **12/1/2005**—*Colorado Directors of Environmental Health* (Plan #93), III.Develop options for establishing a self-sustaining statewide OSWT Performance Improvement Program in collaboration with (or under the direction of) the OSWT Stakeholder Steering Committee; Establish committee composed of public / private / academic sectors; Review / survey programs in other jurisdictions for funding options; Research grant funding opportunities; Review of COWTIP deliverables regarding local OWTS recommendations; Provide recommendations and action plan on sustainability options.
- **12/1/2005**—*Colorado Professionals in Onsite Wastewater (CPOW)* (Plan #96), Collaborate with CDEH and in the evaluation of local OWS programs
- **12/1/2005**—*Colorado Professionals in Onsite Wastewater (CPOW)* (Plan #96), Work with CDEH in the development of options for establishing a self-sustaining statewide OWS Performance Improvement Program
- **12/1/2005**—*Colorado Professionals in Onsite Wastewater (CPOW)* (Plan #96), Participate in the OWS Stakeholder Steering Committee

- **12/1/2005**—*Colorado Professionals in Onsite Wastewater (CPOW)* (Plan #96), Collaborate with CDEH in establishing criteria for a basic local OWS program
- **12/1/2005**—*Denver Health and Hospital Authority* (Plan #57), Test job action sheets and training materials during a drill and/or table top exercise; evaluate results
- **12/1/2005**—*El Paso County Department of Health and Environment* (Plan #42), 7 Present plan, modify and seek approval of partners to implement.
- **12/1/2005**—*El Paso County Department of Health and Environment* (Plan #42), 6 Take results to the partner group, gain consensus on issues to be addressed and write the plan.
- **12/1/2005**—*Pueblo City-County Health Department* (Plan #17), Evaluate the need for further action based on outcome of data collection.
- **12/1/2005**—*Pueblo City-County Health Department* (Plan #17), Identify location for data storage accessible to the community.
- **1/1/2006**—*El Paso County Department of Health and Environment* (Plan #42), 8. Implementation by the community collaboration/partner
- **3/1/2006**—*Summit County Public Health Nursing Service* (Plan #22), Community Health Assessment completed, community presentation & feedback, publish assessment with presentations.
- **6/1/2006**—*Ouray County Public Health Department* (Plan #46), Collect 2005-2006 school weight screening data and compare data to 2004-2005
- **8/1/2006**—*CDPHE--All Hazards Preparedness* (Plan #114), 4.Support, through resources and technical assistance, the local-public health communities in the State of Colorado.
- **8/1/2006**—*CDPHE--All Hazards Preparedness* (Plan #114), 3.Gather and develop baseline data that supports the establishment of improvement criteria.
- **8/1/2006**—*CDPHE--All Hazards Preparedness* (Plan #114), 2.Develop measurement criteria for Colorado bioterrorism and emergency preparedness program efforts.
- **8/1/2006**—*CDPHE--All Hazards Preparedness* (Plan #114), 1.Create a statewide evaluation process that will establish improvement criteria, assess emergency response capacity, and provide emergency preparedness guidance to all local partners.
- **9/1/2006**—*Ouray County Public Health Department* (Plan #46), Present data to School Boards of same schools
- **10/1/2006**—*Ouray County Public Health Department* (Plan #46), Educate School Cafeteria managers and encourage change in menus

Agency Plan Summaries

Alamosa County Nursing Service (Plan #38)—Radio Communication in Emergencies

How did you decide this was important: A disaster exercise was held in Alamosa County. Evaluation of this activity reveals communication problems. A capacity assessment was completed with communication identified as a gap. There are analog and digital radios being used, and numerous channels without direction to each agency for communication.

Specific Aim or Purpose: To have consistent and effective radio communication among responders.

Desired Outcome: There will be 100% capacity of the emergency response system to be able to interact verbally at a distance within Alamosa County.

Measurement: An evaluation process will be followed after exercises for disaster preparedness are completed. There will be "practice sessions" periodically to test the radio communication capability. Project is successful if 100% of the emergency responders are able to communicate by radio.

Alamosa County Nursing Service (Plan #39)—Tuberculosis

How did you decide this was important: As of July 1, 2004, Alamosa County receives no contract \$ for TB surveillance, screening or diagnosis. It is necessary to determine our local protocol defining when to seek technical assistance from the state versus when to seek technical assistance from our Medical Director. Partnerships will alleviate the total burden of county expense for TB.

Specific Aim or Purpose: To assure that people at risk for TB receive the necessary screening, diagnosis and treatment, and to assure that contacts do not have the disease and the potential for spread is limited.

Desired Outcome: A protocol will be developed to maximize the services and expertise of community partners.

Measurement: A document with the protocol will be included in the policies and procedures manual at Alamosa County Nursing Service. Physicians will be asked to report completion of treatment to Alamosa County Nursing Service

Baca County Nursing Service (Plan #112)—Emergency Preparedness

How did you decide this was important: Very much needed in our county, has taken a few years, but our group is up and running, plans are done & we are meeting 6 times a year. Tabletop has been done & full scale exercise was done on August 14, 2004.

Specific Aim or Purpose: County preparedness

Desired Outcome: Want our LEPC group to keep meeting & improve on our emergency response.

Measurement: Continued meetings & participation in activities planned.

Baca County Nursing Service (Plan #113)—Improve WIC Numbers

How did you decide this was important: State data has our WIC caseload at 125 - 130 most of the time, & Baca County Nursing Staff would like to increase our caseload back up closer to 200

Specific Aim or Purpose: Serve more residents in Baca County

Desired Outcome: Increase our number of WIC clients & better educate our young mothers about what they are eating & improve their health

Measurement: State count of WIC caseload

Bent County Nursing Service Authority (Plan #28)—Community Health Assessment

How did you decide this was important: We have spent a huge amount for the community health assessment to be done. We need to utilize the product and take advantage of the recommendations written and what the people wants us to concentrate our efforts in.

Specific Aim or Purpose: Establishment of a team of health-care partners that would serve as health advisory board for the community.

Desired Outcome: 85% use of the assessment with regards to decision making regarding what is needed by the community/population.

Measurement: 100% decisions made to establish programs will be based on outcome and recommendations from the health assessment profile.

Bent County Nursing Service Authority (Plan #110)—Mass Vaccination exercise

How did you decide this was important: Plans have been written & submitted but not tested for accuracy 7 completeness

Specific Aim or Purpose: The test will be to stage exercises as often & practice response plans. Readiness is frequent practice. Ultimate purpose will be complete readiness for all Public Health staff.

Desired Outcome: 100% of staff able to react 7 respond to emergency situations even it is only a drill.

Measurement: Every staff member will have copy of hazard plan & will understand the necessity of plan. Staff will actively suggest improvements of plan

Broomfield Health and Human Services Department (Plan #82)—Assessing Public Health and Environment Programs/Services within the City and County of Broomfield.

How did you decide this was important: Since Broomfield became a combined City and County, it has been a challenge to obtain health related data specifically for Broomfield residents. The City/County 3rd year anniversary is approaching this November and we feel data continues to be limited. A comprehensive assessment to identify health status, threats to health and health service needs is necessary to provide accurate public health and environmental services.

Specific Aim or Purpose: To provide a baseline data on public health threats, community health status, and assessment of public health services needed.

Desired Outcome: Public health data regarding our strengths and weaknesses on public health threats, community health status and our public health services needed and/or improvements.

Measurement: Public Health and Environment data collected and evaluated. Develop, implement and/or tailor public health and environmental programs focus according to community data and needs, providing education around areas of improvement for community's health status with feedback from HHS and HHSAC. The process for monitoring action steps will be at least every 3 months. Ongoing evaluation of services provided will be done at least yearly

Broomfield Health and Human Services Department (Plan #83)—Evaluating Public Health and Environment Programs/Services delivery for the City and County of Broomfield.

How did you decide this was important: Since Broomfield became a combined City and County, it has been a challenge to obtain health related data specifically for Broomfield residents. The City/County 3rd year anniversary is approaching this November and we feel data continues to be limited. A comprehensive evaluation to identify if service delivery is adequate to provide efficient public health and environmental services.

Specific Aim or Purpose: To provide a base line as to if the public health services that are being delivered/provided meets the needs of Broomfield.

Desired Outcome: To determine the effectiveness of the public health and environmental services being offered to Broomfield citizens.

Measurement: Public Health and Environment data collected and evaluated. Develop, implement and/or tailor public health and environmental programs focus according to community evaluation data and needs, providing education around areas of improvement for the community's health status with feedback from HHS and HHSAC. The process for monitoring action steps will be at least every 3 months. Ongoing evaluation of services provided will be done at least yearly

CDPHE--All Hazards Preparedness (Plan #114)—Elements of Preparedness

How did you decide this was important: There is a current need for defined criteria around the Colorado Elements of Preparedness. The Elements are: Planning, Training, Exercises/Testing, Communication, Response, and Evaluation/Assessment. In 2004 these Elements were established as core components of the Colorado bioterrorism activities.

Specific Aim or Purpose: The Colorado Elements of Preparedness will provide state and local emergency preparedness guidance, provide criteria for complete bioterrorism programming, and establish measurable standards for implementation.

Desired Outcome: To provide superior leadership and establish emergency preparedness criteria for state and local preparedness. The improvement focuses include an emphasis on measurement of the Colorado Elements for Preparedness, and the Statewide Exercise.

Measurement: 1) The Bioterrorism and Emergency Preparedness Section will demonstrate success in the provision of superior leadership, and established standards for state and local communities, as related to the Colorado Elements of Preparedness (Planning, Training, Exercises/Testing, Communication, Response, and Evaluation/Assessment); 2) There will be an improved demonstration of readiness capacity through the completion of statewide exercises and coordinated testing of response capability; and 3) Nationally supported monitoring methods and tools will be used (i.e. Center for Disease Control and Prevention After Action Reporting method, and the Department of Homeland Security (DHS) (HSEEP Exercise Evaluation and Improvement Training).

CDPHE--Consumer Protection (Plan #69)—**Web-based Consumer Protection Database Service**

How did you decide this was important: State Auditor's Office Performance Audit, June 2003, recommended that the Department pursue methods to automate the recording & reporting of inspection results by the Division & contract agency staff, most specifically by recording inspection results electronically as the inspections are conducted. The report also recommended that the current fragmented complaint tracking system be replaced with a single automated database containing details of all foodborne illness complaints.

Specific Aim or Purpose: Reduce risk of foodborne illness from food consumed from retail food establishments & reduce risk of illness & injury associated with schools & childcare facilities. Having data available in a timely manner will enable CPD to manipulate this data to track trends in violations & take preventive actions to reduce critical violations that cause foodborne outbreaks, other illnesses & injuries

Desired Outcome: Web-based data system to manage inspectional programs for retail food, schools & childcare for CPD & for monitoring contracts with local agencies who conduct similar inspections.

Measurement: By being able to identify possible foodborne outbreaks in a more timely fashion, CPD can take the necessary actions to prevent the future spread of the illness. By being able to more closely track correction of critical items identified by inspectors, CPD will be able to prevent outbreaks of foodborne illness from occurring, thereby protecting the patrons of those establishments. In addition, the service will reduce the personal services costs associated with data entry of inspection reports & a reduction in paper costs.

CDPHE--Health Statistics (Plan #109)—**Access to and utilization of current technology to manage, display, analyze and communicate population health data (Indicator 1.2)**

How did you decide this was important: National Public Health Performance Standards Assessment data for Colorado

Specific Aim or Purpose: To make geocoded data available for use by local health departments for developing community health profiles

Desired Outcome: Mapping of 8 key health indicators will be available on CoHID at the county level by July, 2005.

Measurement: Refine through beta testing. Monitor website hits. Monitor comments and feedback. Add more health indicators over time.

CDPHE--Interagency Prevention Systems (Plan #77)—**Uniform Minimum Standards**

How did you decide this was important: 9.1-Planning and Implementation (Evaluate Effectiveness...)

Specific Aim or Purpose: Uniform operation of federally and state funded prevention and intervention programs.

Desired Outcome: Development and approval of Uniform Minimum Standards for Prevention and Intervention Programs

Measurement: Approval of the UMS by the Board of Health; evidence of incorporation of UMS into RFPs and contracts; formal review of funded programs rated on level of application of UMS.

CDPHE--Interagency Prevention Systems (Plan #78)—**Web based data & reporting system**

How did you decide this was important: Input from prevention and intervention services providers about the burden of multiple state reporting formats and not being able to access local program process and outcome data that is reported to the various state agencies.

Specific Aim or Purpose: Integrated data collection, evaluation and reporting system for federally and state funded prevention and intervention programs.

Desired Outcome: A single web-based data-collection, evaluation and reporting system for prevention and intervention services that are funded by multiple state departments.

Measurement: 1) Completed Data Requirements document; 2) Web-based system modified; 3) Trainings of pilot site staff completed, and pilot sites regular entry of data beginning in October 2004; 4) A Management Committee and an Implementation Team will work with pilot sites to monitor and evaluate the use of the web-based system

CDPHE--Maternal Child Health (Plan #70)—**Maternal and Child Health State and Local Planning Process – Five-Year MCH Needs Assessment**

How did you decide this was important: We last completed a 5-Yr. MCH Needs Assessment in 2000 and implemented an annual data-based planning/implementation/evaluation state-local MCH Planning process then. We have begun a new comprehensive 5-Year Needs Assessment and planning process which we will use to refocus, refine and improve the on-going state and local MCH planning process.

Specific Aim or Purpose: Build on and improve the on-going state and local MCH planning process to more effectively address the priority needs of maternal-child populations.

Desired Outcome: Improvement in the health status of women, children and adolescents, including children and youth with special health care needs as measured by select Maternal and Child Health Performance Measures.

Measurement: Improvement in the health status of women and children as measured by performance measures for selected priority needs.

CDPHE--Office of Local Liaison (Plan #105)—Public Health Performance Improvement

How did you decide this was important: NPHPS Assessment Matrix; Priority determined by Local Health Capacity Steering Committee and the Public Health Performance Improvement Collaborative

Specific Aim or Purpose: Facilitate and encourage a "learning culture" in the Colorado public health system around common themes from the PHPI Plans.

Desired Outcome: Identify common themes from the Public Health Improvement Database upon which to establish learning groups to support and combine efforts for common objectives.

Measurement: Development at least two functional learning communities with quarterly interactions; Develop efficiencies through collaboration and report at the end of the year.

CDPHE--Office of Local Liaison (Plan #106)—Public Health Performance Improvement

How did you decide this was important: NPHPS Assessment Matrix; Priority determined by the Public Health Performance Improvement Collaborative

Specific Aim or Purpose: Monitor status of local and statewide public health performance improvement efforts.

Desired Outcome: Facilitate, encourage and support success at the state and local level in achieving public health performance improvement objectives.

Measurement: Quarterly progress reports will monitor the status of improvement plans; Interventions will be determined, implemented and cataloged in the PHPI Database.

CDPHE--Office of Local Liaison (Plan #107)—Public Health Performance Improvement

How did you decide this was important: NPHPS Assessment Matrix; Priority determined by the Public Health Performance Improvement Collaborative

Specific Aim or Purpose: Support performance improvement efforts with new resources.

Desired Outcome: Identify and obtain new funding focused on state and local public health performance improvement efforts.

Measurement: Success will demonstrated by identifying potential funding sources and successfully securing grants. Quarterly status reports will be provided.

CDPHE--Office of Local Liaison (Plan #117)—Mobilizing for Action through Planning and Partnerships (MAPP)

How did you decide this was important: Technical assistance is expected as a follow-up to the MAPP Training as pilot sites move through the MAPP process.

Specific Aim or Purpose: Mobilize local communities to improve the health of its citizens.

Desired Outcome: Facilitate communication between MAPP communities and state partners; Build partnerships with state and national level agencies/ organizations.

Measurement: 1) Quarterly report on enhancements for community health assessment/profiles from data group; 2) Quarterly reports on contacts and enhanced capacities developed through collaboration with national and state system partners.

Cheyenne County Public Health (Plan #65)—Community Assessment

How did you decide this was important: Community Health Assessment is due q 5 years to comply with PHN contract and is overdue. Need to update data. Adjoining county (Kiowa) is in the same situation and can combine forces to do a bi-county assessment project. Resources have become available to: a) use MAPP framework for partial asmt and b) collaborate with UCHSC to utilize nursing students for data gathering, analysis, and community presentation of data

Specific Aim or Purpose: Conduct a community assessment that provides updated information, meets PHN contract requirements, and is utilized for community health decisions including priority setting.

Desired Outcome: By January 15 there will be an updated community health profile, using the Mapp Assessment Framework for Cheyenne/Kiowa County that can and will be used to develop community health plans.

Measurement: Monitor activities on a monthly basis by tracking date completion of strategies and individual responsibilities

Note level of community participation in the project for adequacy Consultant oversight indicates that contract requirements are being met, a MAPP process is used, and there is an interactive community process that contributes to the data gathering process Note whether the data comports with the community's perceptions or other reliable sources. Outcome Evaluation: By January, there is an updated, completed population based community health profile and analysis for Kiowa and Cheyenne County on record that meets contract requirements, is MAPP based, and is used in the development of community health priority setting and implementation of health plans. It corresponds to Public Health Essential Service #1, and several of the indicators related to Essential Service #1.

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Cheyenne County Public Health (Plan #66)—Mass Vaccination Clinic

How did you decide this was important: The need to ensure that in the event of an actual infectious outbreak, our county would be able to respond effectively and efficiently.

Specific Aim or Purpose: Conduct a mass vaccination clinic using influenza vaccine so we can test and update our plans as needed.

Desired Outcome: To ensure that all local and regional public health staff and first responders will be able to effectively respond in the event of an actual outbreak

Measurement: Monitor activities on a monthly basis by tracking date completion of strategies and individual responsibilities.

Clear Creek County Nursing Service (Plan #3)—**Clear Creek County specific health and human services data collection process.**

How did you decide this was important: MAPP Assessment of 2003 completed by Clear Creek County Nursing Service

Specific Aim or Purpose: Establish a community specific data collection process for Clear Creek County to evaluate the health and human services needs of Clear Creek County citizens.

Desired Outcome: Development of a data collection process to assist with determination of health and human service needs of specific populations by County geographic location.

Measurement: Questionnaire/survey will be developed and distributed that will gather information regarding health and human service needs as they relate to specific locations and populations in the county.

Clear Creek County Nursing Service (Plan #4)—**Exercise Plans for Emergency Preparedness 2005.**

How did you decide this was important: Post evaluation of Local Exercise of Mass Clinic Plan of 7/13/04

Specific Aim or Purpose: Increase knowledge of Public Health plans and improve performance of staff and partners at Exercise.

Desired Outcome: Updated Public Health emergency plan and improved response of staff and partners to a public health emergency event.

Measurement: Post exercise evaluation will show improvement compared to 7/04 Exercise evaluation.

Clear Creek County Nursing Service (Plan #5)—**Public Health Workforce Assessment as it relates to Public Health Emergency Preparedness –2004-2005**

How did you decide this was important: Results of Local Public Health System Performance Assessment of 2003

Specific Aim or Purpose: Determine the Public Health workforce capability for handling public health emergencies .

Desired Outcome: Process will be developed to determine skills, competencies, and knowledge of workforce, categories and number of personnel in workforce, and training needs.

Measurement: Process developed , established a current list with workforce specifics, and a scheduled plan to meet training needs.

Colorado Association of Local Public Health Leaders (Plan #88)—**Public Health Statutes Improvement**

How did you decide this was important: Identified as a priority project by the CALPHL membership at a quarterly meeting.

Specific Aim or Purpose: Improve Colorado public health law

Desired Outcome: Identify improvement areas in Colorado public health law by comparing with the model standard developed by the Turning Point Project; develop strategies for improving statutes.

Measurement: An improvement plan will be published which will report on improvement areas, strategies for improvement; and implementation steps.

Colorado Association of Local Public Health Leaders (Plan #89)—**Food Safety Inspection Resources**

How did you decide this was important: Identified as a priority of Colorado Counties, Inc. (Health & Human Services Committee) and a CALPHL prioritization discussion at a quarterly membership meeting. Local general fund support the majority of costs for inspection programs. Decreasing state and federal support for other essential local public health services has put pressure on local governments to shift local general fund to services that cannot be supported by user fees.

Specific Aim or Purpose: Assure long-term sustainability of local retail food safety inspections programs.

Desired Outcome: Develop the capacity for local boards of health to establish license and/or inspection fees to cover the direct costs of operating local retail food service establishment inspections.

Measurement: 1) Local boards of health receive authority to establish retail food safety fees locally; and 2) available local general fund is shifted to support other essential public health services.

Colorado Directors of Environmental Health (Plan #92)—**Emergency Response/Investigations Protocols**

How did you decide this was important: ? As discussed during the 3rd Quarter meeting, CDEH discovered that very little information is known regarding proper protocol, procedures and notifications as to local Environmental Health's role in an emergency response.

Specific Aim or Purpose: To provide procedures and protocols for local Environmental Health professionals on emergency response.

Desired Outcome: Provide all organized local health departments and other environmental health professionals with procedures and protocols.

Measurement: Success will be measured by adoption and distribution by CDEH of this document. The procedures and protocols will be updated yearly.

Colorado Directors of Environmental Health (Plan #93)—**Colorado Onsite Wastewater Treatment Improvement Project**

How did you decide this was important: A report from the ISDS Task Force formed jointly by the State Board of Health and the Water Quality Control Commission identified the need for an FTE at the state level to provide leadership, direction and coordination for addressing all the recommendations of the report. The recommendation included the Steering Committee believes that it is important to establish a meaningful state presence that can provide leadership and help advance the efforts by multiple jurisdictions to address the challenging issues related to onsite wastewater system management

Specific Aim or Purpose: The purpose of this project is to evaluate the current level of performance of local governments in managing onsite wastewater treatment systems in Colorado and to establish a self-sustaining statewide program of performance improvement.

Desired Outcome: A joint task force formed by the Colorado Board of Health and the Colorado Water Quality Control Commission made thirteen recommendations for improvement of the onsite wastewater treatment program in Colorado (Attachment 1 - "Executive Summary"). This project would implement at least two key components of those recommendations in one year. Those components include:
I. Evaluate local OSWT programs and report on performance statewide (Recommendations #2, #5)II. Establish criteria for a basic local OSWT program (Recommendations #2, #6, #7)III. Establish option for a self-sustaining statewide OSWT Performance Improvement Program in collaboration with (or under the direction of) the OSWT Stakeholder Steering Committee (Recommendations #3, #8, #11)IV. Develop an OSWT Stakeholder Steering Committee composed of public health officials, local board of health representatives, state health officials, and industry representatives (Recommendation #9)

Measurement: The following deliverables will be produced as a measure of success: 1) Report on current state of OWTS programs statewide; 2) "Model Local OWTS Program for Colorado" document; 3) list of options for establishing a self-sustaining program; and 4) Report with recommendations for the application of new technology/ processes in Colorado

Colorado Directors of Nursing (CDON) (Plan #84)—**Public Health Nursing and Emergency Competencies**

How did you decide this was important: 2002 Educational Needs Survey identified training and educational needs of the current ph workforce. UCHSC post survey in 2004 will identify continuing educational needs of Colorado public health nurses.

Specific Aim or Purpose: To develop a statewide educational plan for building public health nursing competencies; to work in collaboration with national efforts; and to integrate PHN and emergency competencies for possible future PHN certification

Desired Outcome: PHN competencies will be measurable through a standardized tool useful for hiring, promotion, and educational purposes.

Measurement: Discussion will be documented in the Nursing Director and PHNAC meeting minutes. A statewide plan will address evaluation. Success is dependent on inclusion of a competency based practice model at the state and local agency level.

Colorado Directors of Nursing (CDON) (Plan #85)—**Updated edition of the Colorado Public Health Nursing Position Paper 2000**

How did you decide this was important: The CPHN Position Paper 2000 was published four years ago. CPHN had discussed that there should be an update every 5 years. The last four years have brought leadership opportunities for nurses to participate in bioterrorism response planning and new technological ways to work with the community.

Specific Aim or Purpose: This publication has been useful in recruiting nursing students to public health. It also educates and promotes the value of public health nursing to the community, public health colleagues, and policy makers.

Desired Outcome: A publication that reflects trends of the last 4 years and what the future direction of public health nursing is.

Measurement: A new edition of the Colorado Public health Nursing Position Paper 2005 will be ready for distribution by December 31, 2005.

Colorado Environmental Health Association (Plan #87)—**Epidemiology for Public Environmental Health on the Western Slope**

How did you decide this was important: Surveys of membership and their training needs.

Specific Aim or Purpose: Educate Public Health and Environmental Health Professionals on epidemiological responses to food and waterborne diseases. The course is designed to meet the needs for Public Health and Environmental Health Professionals involved in investigations of retail food establishments, food manufacturing establishments, childcare, and waterborne outbreaks

Desired Outcome: All attendees will enhance skills in surveillance and conducting public health investigations. Provide technical assistance for Specimen Collection and Laboratory Testing

Measurement: Training Evaluation How many calls went to CDPH&E knowing what to do vs. not what to do.

Colorado Environmental Health Association (Plan #120)—**2004 Annual Educational Conference and Exhibition**

How did you decide this was important: The CEHA Bylaws require an Annual Educational Conference and Industry Exhibition. Also, surveys of membership and their training needs.

Specific Aim or Purpose: Educate Public Health and Environmental Health Professionals on Environmental Health programs, such as onsite waste water treatment, food borne illness, drinking water, zoonosis (plague, encephalitis, rabies, west nile virus, tularemia), bioterrorism, air quality, disease prevention in childcare and institutional settings, hazardous waste, pollution prevention, and environmental planning. The course is designed to meet the needs for Environmental Health Professionals involved in inspections/investigations of retail food establishments, food manufacturing establishments, childcare, waterborne, and vector-borne outbreaks, on-site waste water issues and advancements, air-quality planning and advancements, and solid and hazardous waste clean up.

Desired Outcome: Enhance training, establish contacts throughout the state, exchange information, and discover new and practical solutions to environmental health issues.

Measurement: Training Evaluation

Colorado Professionals in Onsite Wastewater (CPOW) (Plan #96)—**Colorado Onsite Wastewater Systems (OWS) Improvement Project**

How did you decide this was important: A report from the ISDS Task Force formed jointly by the State Board of Health and the Water Quality Control Commission identified the need for an FTE at the state level to provide leadership, direction and coordination for addressing all the recommendations of the report.

Specific Aim or Purpose: The purpose of this project is to evaluate the current level of performance of local governments in managing onsite wastewater systems (OWS) in Colorado and to establish a self-sustaining statewide program of performance improvement.

Desired Outcome: Participate in statewide efforts to achieve the following:I. Evaluate local OWS programs and report on performance statewide (Recommendations #2, #5)II. Establish criteria for a basic local OWS program (Recommendations #2, #6, #7)III. Establish option for a self-sustaining statewide OWS Performance Improvement Program in collaboration with (or under the direction of) the OWS Stakeholder Steering Committee (Recommendations #3, #8, #11)IV. Develop an OWS Stakeholder Steering Committee composed of public health officials, local board of health representatives, state health officials, and industry representatives (Recommendation #9)

Measurement: The following deliverables will be produced as a measure of success: 1) Report on current state of ISDS programs statewide; 2) "Model Local OWS Program for Colorado" document; 3) list of options for establishing a self-sustaining program; and 4) Report with recommendations for the application of new technology/ processes in Colorado

Colorado Professionals in Onsite Wastewater (CPOW) (Plan #97)—Onsite Wastewater Treatment Training for Environmental Public Health Workers

How did you decide this was important: Membership surveys and anecdotal reporting

Specific Aim or Purpose: Increase the competency of wastewater professionals when dealing with onsite wastewater treatment.

Desired Outcome: Provide/ support training events.

Measurement: Track the number of participants at each training event to establish a baseline of impact.

Colorado Public Health Association (CPHA) (Plan #76)—Hot Topics and other disease topics during Public Health in Colorado Meeting

How did you decide this was important: Input of membership on their training needs and feedback from previous meetings.

Specific Aim or Purpose: Educate Public Health and Environmental Health Professionals on management of disease outbreaks and the many lessons learned associated with such outbreaks. The presentations will target public health field workers and aid them learning both the conduct of their day to day and emergency response work.

Desired Outcome: Attendees will enhance skills and knowledge in shoe leather epidemiology including conducting public health investigations and surveillance. Technical assistance and orientation will be provided on use of the expanded public health laboratory capabilities in Colorado.

Measurement: Conference Evaluation Feedback to the planning staff.

Colorado Public Health Association (CPHA) (Plan #111)—Public Health Improvement Plan Collaboration

How did you decide this was important: Bioterrorism requirements required us to evaluate Public Health capacity of the state and progress toward making improvements. The Evaluation/survey was accomplished and key needs are being addressed through development of a PHIP.

Specific Aim or Purpose: To foster collaborative work to improve the capacity of the Colorado system to deliver PH services.

Desired Outcome: Creation of PHIP actionable templates for use and discussion that will serve as a platform for continuous improvement in PH delivery in Colorado.

Measurement: Conference Evaluation Attendance and participation on the Collaborative.Addition contributions to the overall PHIP by newly identified PH system members.

Colorado Society of Public Health Education (Plan #101)—Action Research and Evaluation

How did you decide this was important: Membership needs survey

Specific Aim or Purpose: Increase the ability of public health educators to evaluate programs and improve performance of services

Desired Outcome: The goal of the training is to provide participants with a practical framework for applying action research in a variety of health education settings. Action research involves cycles of planning, acting, observing and reflecting. When applied to practical day-to-day program operations, action research provides an evaluation framework that promotes program improvement, capacity development and accountability. Four research tasks will be described: 1) Research Design 2) Data Gathering 3) Data Analysis 4) Communication and 5) Action.

Measurement: Success will be monitored by the number of attendees and course evaluations.

Colorado Society of Public Health Education (Plan #102)—Health Communication Planning

How did you decide this was important: Member Needs Survey

Specific Aim or Purpose: Develop skills in the public health educators to develop effective communication plans

Desired Outcome: Participants will be guided through a process in which they: Use research to help describe and determine the causes of the health problem that you plan to address with an intervention, and to detail the audience segments affected by the problem; Explore a wide range of possible strategies for the problem; Systematically select the strategies that may show the most promise to help the audiences; Understand the role communication can play in planning, implementing and evaluating selected strategies; Develop a comprehensive communication plan that includes audience research, pre-testing, production, launch and evaluation at every stage

Measurement: All students will participate in the interactive presentation and demonstrate ability to use the planning system and software resource by the end of the classroom session.

Community Health Services, Inc. (Plan #74)—Application of Incident Command Systems to West Nile Virus Activity in Pitkin County

How did you decide this was important: On April 1, 2004 the NW Public Health Preparedness Office and Pitkin County conducted an exercise based on a West Nile Event. At Executive Summary the decision was made to initiate an Incident Management Group to establish an Incident Command Structure where Public Health, Emergency Management and Environmental Health have a role.

Specific Aim or Purpose: To develop a strategy that will ensure safety of the public and provide timely, consistent and accurate information to the public on preventive measures, evidence of infected birds, mosquitoes and humans. To provide a cost-effective service and plan for future

Desired Outcome: To reduce the potential for problems, such as a knee jerk reaction to an epidemic, with adequate planning, public education and resource allocation.

Measurement: 1. Weekly updates of surveillance activity to the IMG. 2. Accurate and timely press releases to public for any positive mosquito, bird or human case. 3. Utilizing the IAP/ICS for other communicable disease outbreaks.

Community Health Services, Inc. (Plan #104)—**Regional Community Health Assessment of the Roaring fork valley to include Pitkin, Garfield & Eagle County**

How did you decide this was important: 1. 2004/04 Nursing Contract requirement. The Roaring Fork Valley which includes Pitkin, garfield & Eagle Counties share residents, resources & health care providers. A regional assessment would give us a better indication of unmet needs in the Roaring Fork Valley

Specific Aim or Purpose: Fulfill Nursing Contract for 2004/2005

Desired Outcome: Compile & periodically update a community health profile using community health related objectives which may be used by other agencies

Measurement: Periodically update community health profile by utilizing other agencies data collected for their own use. Monitor bits hits used to access community assessment on Pitkin County Web site.

Conejos County Nursing Service (Plan #63)—**Childhood immunizations**

How did you decide this was important: Audit of past immunization rates in 2003 which places Conejos County at 58% for target population

Specific Aim or Purpose: To increase immunization rates in children under 36 months

Desired Outcome: Immunization rates will increase 10% by December 2004

Measurement: Audit information will be used to measure percentage increase.

Conejos County Nursing Service (Plan #64)—**Emergency Preparedness**

How did you decide this was important: Increased focus on disaster preparedness since 9/11

Specific Aim or Purpose: Conejos County will be prepared for public health emergency

Desired Outcome: Conejos County will have an emergency plan in place that is tested at least annually and adjusted as needed

Measurement: Analysis of exercises to identify areas of improvement

Costilla County Nursing Service (Plan #59)—**Immunization Rate of 0-2 yr**

How did you decide this was important: 38 recalls to 12 children in this age range. A lot of effort to get parents to comply with follow up appointments.

Specific Aim or Purpose: Children will return for next scheduled immunization in a timely manner. By age 2 children will be appropriately immunized.

Desired Outcome: By age 2 >90% of our children will receive the 14 doses of vaccine that are recommended to prevent childhood diseases.

Measurement: We will track return rates, number of recalls, and overall immunization rate for our children. Quarterly the team will get together to communicate issues or problems and make changes as needed. Monitor the consistency of immunization clinics and efficiency of data input .

Costilla County Nursing Service (Plan #60)—**Emergency Preparedness**

How did you decide this was important: Costilla County has a need to test the resource capacity in our own community in the event of an emergency. It is also important to test the response and communication capability involving multiple disciplines.

Specific Aim or Purpose: To determine the capability of this community's response system and to test the emergency response plan.

Desired Outcome: As a result of the mock disaster weaknesses or deficiencies will be detected in the response plan.

Improvements will be made The response to an incident will be improved. Community awareness regarding the importance of disaster planning will be achieved

Measurement: Evaluation by participants will be part of the exercise. Constructive information will be used to make changes to emergency response plan as needed. Plan will be updated every two years.

Custer County Public Health Nursing Service (Plan #72)—**Emergency Preparedness/ All Hazards Preparedness Planning by local Public Health Nursing Service.**

How did you decide this was important: All hazards/ Emergency planning and training is a required activity of CDPHE All Hazards/ Bioterrorism contract.

Specific Aim or Purpose: Train community volunteers (both medical and non-medical) to work with Custer County Public Health Nursing Service in providing a Mass Prophylaxis / Immunization clinic utilizing influenza vaccination clinics as venue.

Desired Outcome: Community volunteers will be trained to function in their designated roles of a Mass Prophylaxis / Immunization Clinic and will be able to demonstrate proficiency in those roles by the end of the exercise (Influenza vaccination Clinics).

Measurement: Success will be measured by the number of individuals immunized, how well the clinics flow, and evaluation by public and volunteers.

Denver Health and Hospital Authority (Plan #57)—**Local and/or state public health has a system to divert existing workforce to function in specific emergency response roles, while maintaining core public health functions.**

How did you decide this was important: This is a key indicator in the Draft Public Health Preparedness Indicators, (October 2003, Centers for Disease Control and Prevention, Office of Terrorism Preparedness and Emergency Response [OTPER]) Absence of well-developed public health definitions for: 1) all-hazards, and 2) escalating or multiple emergencies Absence of local consensus on 1) what are core public health functions to be maintained and 2) what existing workforce could be diverted.

Specific Aim or Purpose: Provide DPH management with a clear definition and plans for what core public health functions must be maintained during an emergency; who on the existing work force may be diverted during an emergency; how we will inform and train those individuals on new roles and responsibilities; when and where we will test and train on those new responsibilities

Desired Outcome: An explicit emergency escalation plan with job action sheets, training dates, measures of training and evaluations.

Measurement: Consensus and understanding among management team will be reached regarding DPH roles and responsibilities in event of a hazard; Public health employees can identify and explicitly state the relation of core functional activities with an all-hazards emergency response; Development of an explicit, tested, job action plan for workforce escalation during emergencies; Measure new knowledge of emergency roles and responsibilities by DPH employees; Determine change in throughput for core essential services during an exercised crisis (table top).

Denver Health and Hospital Authority (Plan #58)—**Selection of appropriate locations for dispensing mass vaccinations/prophylaxis for the inhabitants of Denver County**

How did you decide this was important: Should an emergency or bioterrorist event require mass vaccination and/or prophylaxis for a large portion of the population, Denver must have a plan to receive large quantities of vaccines/antibiotics that would arrive as part of the SNS package; DPH must have an efficient method to distribute mass vaccinations/prophylaxis to all residents in the City and County of Denver.

Specific Aim or Purpose: Given a hypothetical number of mass vaccination/prophylaxis sites (N=25, based on projected staffing capacity, throughput/hour, and a 3-day limit to reach our goal of serving approximately 560,000 residents and visitors), determine the best pattern and geographic configuration for those sites to efficiently serve the population of Denver (residents and visitors) Calculations: $560,000 \text{ persons} / (24 \text{ hours/day}) / (3 \text{ days of operation}) / (25 \text{ sites}) = 311 \text{ persons per hour}$ (approximately 5-6 persons/minute) with full staffing round the clock; Utilizing census data, evaluate site characteristics, GIS analytic tools and determine the best geographic distribution for the given number of sites.

Desired Outcome: Given a hypothetical number of mass vaccination/prophylaxis sites (N=25, based on projected staffing capacity, throughput/hour, and a 3-day limit to reach our goal of serving approximately 560,000 residents and visitors), determine the best pattern and geographic configuration for those sites to efficiently serve the population of Denver (residents and visitors) Calculations: $560,000 \text{ persons} / (24 \text{ hours/day}) / (3 \text{ days of operation}) / (25 \text{ sites}) = 311 \text{ persons per hour}$ (approximately 5-6 persons/minute) with full staffing round the clock. Utilizing census data, evaluate site characteristics, GIS analytic tools and determine the best geographic distribution for the given number of sites.

Measurement: Write a document that serves as a first draft, immunoprophyllaxis/chemoprophyllaxis distribution plan; Conduct a series of focused meetings with DPH staff, Denver Office of Emergency Operations and CDPHE to review the document, provide feedback and assess face validity; Develop a test exercise that assesses the calculation/estimates made for throughput for a facility; Develop evaluation templates for this and subsequent exercises. Coordination and regionalization; Present the plan to Denver metro North Central Region for review and comment; Discuss the plan with bordering counties and jurisdictions to assure site Denver County site selection is appropriate and avoids potential for duplication or excessive proximity of services across county borders; Develop a plan to conduct a similar analysis at the regional level; Evaluate dispensing sites and overall SNS plan considering; Communication of structure and systems (between dispensing sites, with the ICS or Health Emergency Operations Center, police, DPH, OEM, sub-regions and bordering regions), Security, Staffing and volunteer capacity and requirements; Recruiting and training; Push/pull theory evaluation (mobile dispensing vs. on-site); Hours of operation on sites consistent with outlying regions; ICS integration; Credentialing practices (Denver Sheriff's department); Legal review by Denver Health legal staff; Define requirements and functions for each of these components and develop and conduct a table-top exercise to evaluate capacity to efficiently address these requirements and functions; Define next action steps in revising the plan for Denver County and the metro region.

Dolores County Nursing Service (Plan #53)—**Local Health Assessment**

How did you decide this was important: This is a requirement for our nursing contract and every community needs to assess to define where there are and what needs to be addressed

Specific Aim or Purpose: Purpose Provide statistics about our community health and where the public in general feels there are Specific needs or desirable outcomes from public health.

Desired Outcome: Establish goals and develop plans for our next planning phases as evidence from the community assessment.

Measurement: Develop plan for the 5 following years, and monitor MCH and all state and regional data.

Dolores County Nursing Service (Plan #54)—**Develop Communication Risk Management Plan**

How did you decide this was important: It is one of our requirements from our contacts. It is important to establish communication and information networks and protocols pre-event.

Specific Aim or Purpose: Develop a communication plan pre-event and use it during drills to establish guidelines for dealing with a variety of situations and ensure staff and communicators are familiar with procedures and their roles in the event of a crisis.

Desired Outcome: To factually assess the situation and determine whether a communications response is warranted and implement immediate action needed.

Measurement: Test plan during regional/local/or state exercise.

El Paso County Department of Health and Environment (Plan #6)—**Concern with developing a comprehensive understanding of our community's health to support planning and collaboration.**

How did you decide this was important: The overall score for 1.1 was 62.95; however within the category scores ranged from 0 to 100. Completing a comprehensive community health status assessment as outlined in the Mobilizing for Action through Planning and Partnership guidance and creating a system for ongoing monitor is essential for improving our community's health.

Specific Aim or Purpose: To produce a Community Health Status Assessment by April 2005 and to institutionalize the process so that ongoing data are available.

Desired Outcome: Raise to at least 50% all scores in 1.1 as a result of developing a comprehensive community health assessment and developing a system to produce the assessment on an ongoing basis.

Measurement: The measure of success will be the comprehensive community health status assessment and the identification of an ongoing process for completing assessments.

El Paso County Department of Health and Environment (Plan #7)—**Capacity to use Geographic Information Systems**

How did you decide this was important: Original score from Capacity Assessment was 0.00

Specific Aim or Purpose: To improve our Public Health planning and assessment capabilities

Desired Outcome: 10 employees are highly competent in the usage of GIS technology by May 2005

Measurement: GIS users group continues to study best practices, evaluates EPCDHE usage against potential, develops and executes plans for improvement.

El Paso County Department of Health and Environment (Plan #42)—**Developing and sustaining effective community partnerships**

How did you decide this was important: Score from the Public Health Standards Assessment is 33.33: There are 108 community collaborations in which the EPCDHE has staff participating at some level. As a result of the Healthy Communities Access Program (HCAP) grant evaluation process, we became aware of a standardized tool that assists in measuring 5 areas of performance for: Context, Structure, Collaboration members, Collaboration process and Results. Apply this tool to 2-6 partnerships.

Specific Aim or Purpose: Create a pilot study to establish process within the Dept and our partners. Improve the functioning of partnerships. Prioritize and focus EPCDHE resources.

Desired Outcome: By Jan. 2006, 2 partnerships will have completed the assessment, analysis, and written improvement plan. If funds available for an evaluator's assistance that number can be increased 3X. Overall improved score in ES#4

Measurement: Measure of change process success built into the plan--periodic reports

El Paso County Department of Health and Environment (Plan #122)—**Concern with facing overwhelming casualty surge within Colorado Springs/El Paso County and increasing surge capacity.**

How did you decide this was important: Our community has been struggling with realizing as few as 100 severe casualties overwhelm our three hospitals (two systems); hospitals go on "divert" several times a month; a catastrophic event would cripple our medical system; MMRS doesn't "kick in" until there have been 3,000 chemical or radiological casualties or 10,000 biological casualties!

Specific Aim or Purpose: To continue to bring together all partners in the community to address this public health crisis in planning for public health emergencies.

Desired Outcome: Reduction of incredible gap between the threshold that overwhelms the medical community in a mass casualty and that when all partners as well as outside aid come together under MMRS

Measurement: Improved relationships; tabletop evaluations; development of more complete and usable plans

Fremont County Public Health Nursing Service (Plan #19)—**Investigate & Respond to Public Health emergencies**

How did you decide this was important: Our agency has 5 RN's. I feel that none of us are prepared to do the evaluations & proper investigation without further training.

Specific Aim or Purpose: To make our entire staff knowledgeable so they can respond to outbreaks, hazards, disasters and threats.

Desired Outcome: Case investigation protocols will be in place including source & contact tracing for communicable diseases or toxic exposures. All staff will be knowledgeable regarding investigations.

Measurement: By evaluating response of staff to emergencies following each drill.

Fremont County Public Health Nursing Service (Plan #68)—**Evaluation of Population based Health Services**

How did you decide this was important: Our Community Assessment is due this year

Specific Aim or Purpose: To effectively evaluate health services in the community & their gaps.

Desired Outcome: To better serve the community by making available needed services and addressing problems not currently being addressed

Measurement: Completion of assessment is the first step. New services that are implemented will be measured by use of these services.

Garfield County Public Health Nursing Service (Plan #73)—**Regional Community Health Assessment of the Roaring Fork Valley to include Pitkin, Garfield & Eagle County**

How did you decide this was important: 2004/05 Nursing Contract Requirement

Roaring Fork Valley which includes Pitkin, Garfield & Eagle Counties share residents, resources & health care providers. A regional assessment would give us a better indication of unmet needs in the Roaring Fork Valley

Specific Aim or Purpose: Fulfill Nursing Contract for 2004/2005

Desired Outcome: Compile & periodically update a community health profile using community health related objectives which may be used by other agencies

Measurement: Periodically update community health profile by utilizing other agencies data collected for their own use. Monitor lists used to access community assessment on garfield County web site.

Garfield County Public Health Nursing Service (Plan #121)—**Local Emergency Planning Committee (LEPC) and Safety Committee for Garfield County**

How did you decide this was important: County was lacking a Local Emergency Planning Committee as well as a Safety committee to address growing oil and gas industry, Interstate and rail transportation of hazardous materials, and emergency preparedness with all partners involved.

Specific Aim or Purpose: To be recognized on a county level and by county commissioners as an organized LEPC/Safety Committee

Desired Outcome: To have a functioning LEPC with county, cities, oil and gas, and community members. To have a functioning Safety Committee to address all hazards plans, trainings, and health issues.

Measurement: Continue to recruit and invite new partners to join committee. Evaluate and monitor data collected on industries with hazardous materials. Continue to assess, revise and practice county wide all hazard emergency plans with all partners.

Gilpin County Public Health Nursing Service (Plan #30)—**Diagnose and investigate health problems and health hazards in the community.**

How did you decide this was important: Gilpin County did not have a mass prophylaxis plan as of April 1, 2004. Gilpin County had not trained or tested a mock clinic plan through mock exercises. Gilpin County had not tested coordination and communications with mutual aid agencies during a mock clinic exercise. Emergency preparedness for mass prophylaxis and interagency communications is important not only related to bioterrorism but also many other potential community emergency needs.

Specific Aim or Purpose: Provide local health personnel and mutual aid partners with training and experience in mass prophylaxis clinic set up and operations in order: to be better prepared to respond in an actual emergency and to discover areas of improvement needed in the plan and the clinic operation

Desired Outcome: Local health personnel and first responders trained in ICS/NIMS and experienced in mock mass prophylaxis clinic set-up and operation with mutual aid partners before September 1, 2004.

Measurement: Attendance of local health personnel and first responders, especially those who have not participated in ICS/NIMS training or any similar exercises in the past Attendance of mutual aid personnel, especially those who have not participated in Gilpin County or had similar training and experience in the past Debriefing responses for improvement measures documented on forms provided and verbally by those in attendance (25% verbally and 50% of written responses with specific comments on what worked and what could be improved) Positive responses on written evaluation at 75% or above Local and mutual aid personnel express increased level of confidence in ability to function in real clinic situation Appropriate amendments made to plan by Sept 30, 2004

Gilpin County Public Health Nursing Service (Plan #31)—**Monitor health status to identify community health problems**

How did you decide this was important: Gilpin County had not conducted a full community health assessment in over 10 years Gilpin County did not have a public health advisory group or a formal group interested in the community health assessment

Specific Aim or Purpose: Form Community Health Assessment Project (CHAP) advisory board of 15 to 20 members from Gilpin County to guide the CHAP process and establish mission and vision.(Future purpose of CHAP advisory board: to evaluate and give credibility to results of CHAP process to contribute to the assessment process to be invested in working on the programs indicated by results of CHAP)

Desired Outcome: Form Community Health Assessment Project (CHAP) advisory board of 15 to 20 members from Gilpin County to guide the CHAP process and establish mission and vision.(Future purpose of CHAP advisory board: to evaluate and give credibility to results of CHAP process to contribute to the assessment process to be invested in working on the programs indicated by results of CHAP)

Measurement: Obtain commitments from 15 to 20 members of community to meet and discuss vision for health of Gilpin County by Sept 1, 2004 Conduct meeting, give information on CHAP process, and conduct visioning process Obtain commitment of at least 15 members to continue process as advisory board for 18 months Complete statement of vision for the future of the health of Gilpin County

Gunnison County Public Health (Plan #8)—**Epidemiologic Investigation, Emergency Response for Non-Public Health ER Nurses**

How did you decide this was important: Local assessment and results of past event analysis (2/04)

Specific Aim or Purpose: Improve current epidemiologic case investigation protocols locally to include Gunnison Valley Hospital ER staff, initiating investigation when appropriate for more rapid response.

Desired Outcome: Establishment of trained hospital ER staff in protocols for epidemiologic investigation so that emergency response to an outbreak will be improved in Gunnison County

Measurement: Protocols for ER staff will be written and at least one training will be given yearly to hospital ER staff by public health staff.

Gunnison County Public Health (Plan #23)—Local Nurse Workforce Development

How did you decide this was important: Local assessment. National Public Health Performance Standards prioritization matrix for West Central and Northwest Regions

Specific Aim or Purpose: Address local nurse staffing shortages in all areas of the LPHS for present & future needs through the development of a collaborative process resulting in a strategic plan.

Desired Outcome: Gunnison County will have a comprehensive strategic plan for nurse workforce development to meet current and future needs.

Measurement: Strategic Plan will be developed

Hinsdale County Public Health and Community Services (Plan #51)—Community Health Assessment and Profile

How did you decide this was important: The previous health assessment is 5 years old (1999).

Specific Aim or Purpose: To monitor health status by means of a community health assessment to identify community health problems and develop a community health profile using community health assessment data.

Desired Outcome: Completion of a community health assessment and the development of a community health profile using community assessment data for the purpose of developing health plans for the next 5 years.

Measurement: Completed assessment and development of a community health profile with number of presentations to the community and number of printed reports distributed. Also, documented use of community health profile for planning.

Hinsdale County Public Health and Community Services (Plan #52)—Identification and Surveillance of health threats

How did you decide this was important: Local Public Health Performance Assessment

Specific Aim or Purpose: Improve surveillance of health threats

Desired Outcome: To develop a plan for surveillance, reporting, investigating and analyzing health threats and a procedure to alert the community to possible health threats and disease outbreaks

Measurement: Test the system with an exercise focused on the epidemiologic response and investigation including use of procedure to alert the community.

Jefferson County Department of Health and Environment (Plan #103)—Food Safety Program Evaluation

How did you decide this was important: Historically Food Safety has been considered a key factor in reducing disease and restaurant inspections considered a very important aspect of that effort. Review of the literature does not find any well developed studies which addressed evaluation of Food Safety programs

Specific Aim or Purpose: To develop a tool and/or a template for evaluating Food Safety programs.

Desired Outcome: Have a tool that can be used by EH programs across the state to evaluate their Food Safety Programs and use the findings to modify programs as appropriate.

Measurement: Success will be measured development of the tool and application of it on a regular basis

Jefferson County Department of Health and Environment (Plan #116)—Population Based Community Health Profile

How did you decide this was important: Public Health Performance Assessment data & the Prioritization matrix

Specific Aim or Purpose: Establish a new baseline of community health

Desired Outcome: To improve knowledge base of the health profile for county residents for future decisions

Measurement: Completion of the report & information presented to stakeholders

Kiowa County Nursing Service (Plan #36)—Mass Vaccination Clinic

How did you decide this was important: To ensure that in the event of an actual outbreak our counties would be able to respond effectively and efficiently.

Specific Aim or Purpose: Conduct a mass vaccination clinic using influenza vaccine so we can test and update our plans as needed.

Desired Outcome: To test our local and regional resources and response in the event of an actual outbreak

Measurement: Monitor activities on a monthly basis by tracking date completion of strategies and individual responsibilities.

Kiowa County Nursing Service (Plan #37)—Community Assessment

How did you decide this was important: Community Health Assessment is due q 5 years to comply with PHN contract and is overdue. Need to update data. Adjoining county (Kiowa) is in the same situation and can combine forces to do a bi-county assessment project. Resources have become available to: a) use MAPP framework for partial assmt and b) collaborate with UCHSC to utilize nursing students for data gathering, analysis, and community presentation of data

Specific Aim or Purpose: Conduct a community assessment that provides updated information, meets PHN contract requirements, and is utilized for community health decisions including priority setting.

Desired Outcome: By January 15 there will be an updated community health profile, using the MAPP Assessment Framework for Cheyenne/Kiowa County that can and will be used to develop community health plans.

Measurement: Monitor activities on a monthly basis by tracking date completion of strategies and individual responsibilities.

Note level of community participation in the project for adequacy Consultant oversight indicates that contract requirements are being met, a MAPP process is used, and there is an interactive community process that contributes to the data gathering process Note whether the data comports with the community's perceptions or other reliable sources. Outcome

Evaluation: By January, there is an updated, completed population based community health profile and analysis for Kiowa and

Cheyenne County on record that meets contract requirements, is MAPP based, and is used in the development of community health priority setting and implementation of health plans. It corresponds to Public Health Essential Service #1, and several of the indicators related to Essential Service #1.

Lincoln County Public Health Nursing Services (Plan #34)—Community Health Assessment

How did you decide this was important: 1. Five year Community Health Plan will need to be done in 2005. 2. The Lincoln County Public Health Director is new to the office and not familiar with the community

Specific Aim or Purpose: To assess the health & needs of the community & monitor progress toward health related objectives.

Desired Outcome: Develop programs and target health care needs specific for community

Measurement: Educational and service programs for the top health needs identified by the Community Health Assessment will be developed. Policies will be developed as needed for the programs. Evaluation of the program availability, accessibility & effectiveness

Lincoln County Public Health Nursing Services (Plan #35)—West Nile Virus

How did you decide this was important: Eight positive Human cases (3 fatalities) of West Nile in Lincoln County in 2003

Specific Aim or Purpose: Collect information from community health professionals, continue surveillance of mosquito pools, investigate human cases of WNV, educate the public on mosquito control, and the distribution of mosquito dunks & DEET.

Desired Outcome: Decrease the number of positive human cases of WNV.

Measurement: Lincoln County will have a decreased amount of human cases of west Nile Virus than in previous years.

Mesa County Health Department (Plan #75)—Environmental Health Emergency Preparedness

How did you decide this was important: Currently, environmental health staff have no training or protocols for responding to public health emergencies. Roles are poorly defined.

Specific Aim or Purpose: Identify foreseeable emergencies involving environmental health incidents, Develop written protocols outlining procedures in specific and general incidents, Seek and provide training to prepare environmental health staff for emergent public health challenges.

Desired Outcome: Increase staff awareness of their roles in emergencies involving environmental health department. Provide template response documents. Provide training to prepare EH staff for their role in such incidents.

Measurement: At least 10 of 13 EH staff will attend the planning/prioritization sessions or individual discussions by September 30, 2004. At least three top priority emergency response protocols will be outlined by December 31, 2004. At least one training will be provided by February 28, 2005, a second by May 31, 2005, and third by August 31, 2005, with additional trainings to be determined after that. At least 10 of 13 EH staff will participate in each of three emergency training sessions. COTRAIN will be used to record and track training.

Mesa County Health Department (Plan #81)—Epidemiologic Investigation Emergency Response

How did you decide this was important: Local Public Health Performance Assessment

Specific Aim or Purpose: Improve current epidemiologic case investigation protocols to guide immediate investigations of public health threats and outbreaks.

Desired Outcome: Establish trained epidemiologic teams with specific guideline and protocols for responding to a public health emergency.

Measurement: Test the system with an exercise focused on the epidemiologic response, investigation and equipment usage including the debriefing process.

Mesa County Health Department (Plan #115)—Health Communication - Health Dept Websites for NW and W Regions of Colo

How did you decide this was important: Increasingly, websites are used to access public health information. The type of information and functionality provided through individual health department websites varies greatly. In addition, most times one has to know the data exists.

Specific Aim or Purpose: Development of standards & tools that ensure Health Dept websites offer similar information & functionality & that it can be easily accessed. In addition, adhere to already existing standards such as the Health People 2010 Objective 11-4.

Desired Outcome: The 16 County Health Depts in the NW and W regions will have websites that conform to the Health People 2010 Objectives & have continuity of functional capability.

Measurement: With improved public health presence on county websites in 16 counties.

Mineral County Public Health (Plan #49)—Current directory of organizations that comprise the LPHS

How did you decide this was important: The National Public Health System Performance Assessment Instrument (EPHS 4-1-3) had a score of 0. EPHS 4 had a score of 12 (Mobilize Community Partnerships)

Specific Aim or Purpose: Develop and maintain directory of local public health organizations for easy access in an all-hazards disaster in Mineral County or in the State of Colorado.

Desired Outcome: A list of all organizations and contacts within organization in electronic and hard copy formats.

Measurement: Response to quarterly to local health alerts. Update information as necessary.

Mineral County Public Health (Plan #50)—Public Health Policy Development

How did you decide this was important: Colorado Youth Survey; Tobacco Education Alliance of Mineral County survey

Specific Aim or Purpose: Decrease access of tobacco to youth

Desired Outcome: County ordinance limiting access of tobacco to youth

Measurement: Youth possession ordinance will be passed by County and City.

Montezuma County Health Department (Plan #47)—**Children's immunization rates**

How did you decide this was important: Immunization registry shows only 61% Montezuma County 2 year olds are up to date on immunizations.

Specific Aim or Purpose: To increase immunization rates Montezuma County

Desired Outcome: Increase number of children will be adequately protected from vaccine preventable diseases.

Measurement: Immunization registry data regarding rates.

Montezuma County Health Department (Plan #48)—**Identification and surveillance of health threats**

How did you decide this was important: Inconsistent reporting of possible health threats by local providers.

Specific Aim or Purpose: Improved recognition and response to public health emergencies by medical providers and local public health.

Desired Outcome: Trained response teams with specific protocols for responding to a public health emergency.

Measurement: Increased communications and disease reporting between medical providers and local public health agencies; Development of response team; Ability to identify and address gaps in infrastructure with BT team

Montrose Health and Human Services (Plan #24)—**Video Conferencing**

How did you decide this was important: Increased costs of training of staff and the inaccessibility of training on the Western Slope. Preference to train multiple staff versus a few trainers who do not have time to train staff left at home.

Specific Aim or Purpose: To provide infrastructure for ongoing workforce training.

Desired Outcome: Increase access to training for Montrose Public Health workforce. Access will be available to neighboring nursing services of Ouray, San Miguel & Gunnison.

Measurement: Monitor number of employees who attend trainings; and the number of education trainings offered.

Montrose Health and Human Services (Plan #25)—**Child & Youth Safety**

How did you decide this was important: Anecdotal note: 90% of school age children & adolescents riding through HHS grounds do not have helmets.

Specific Aim or Purpose: Provide helmets to those children & families who do not have bicyclehelmets, provide education on a proper use by police department personnel.

Desired Outcome: Increased use of bike helmets by children & youth.

Measurement: Track numbers of helmets and sizes to determine age , use and need.

Northwest Colorado Visiting Nurse Association, Inc (Plan #20)—**Plan for Public Health Emergencies**

How did you decide this was important: need for increased Public Health staff knowledge of Incident Command System & Bioterrorism

Specific Aim or Purpose: Familiarize Public Health staff with Incident Command system

Desired Outcome: Staff will experience ICS system and their role in an event.

Measurement: Discussion with nurses involve: develop plan to train other Public Health staff on Incident Command System

Northwest Colorado Visiting Nurse Association, Inc (Plan #21)—**Identification & Surveillance of Health Threats**

How did you decide this was important: Recurrent reports of pool-borne illnesses

Specific Aim or Purpose: Increase surveillance efforts & community education in tandem with Environmental Health officials

Desired Outcome: Staff will continue timely monitoring & interventions to reduce number of occurrences and outbreaks

Measurement: Continued surveillance and monitoring through use of CEDRS, reduction in number of occurrences

Otero County Department of Health (Plan #26)—**Public Health Preparedness and Response to Bioterrorism (All-Hazards)**

How did you decide this was important: ? The Otero County Health Department has GPS (Global Positioning System) units, but only 1 staff member has the expertise to use it.

Specific Aim or Purpose: Train appropriate staff to use GPS Units, to include members of the Epidemiology Response Team (ERT), Initial Response Team (IRT), Disease Control/Epidemiology Program (DCEP).

Desired Outcome: Appropriate staff know how to use GPS units

Measurement: ERT, IRT, and DCEP to use GPS for public health applications

Otero County Department of Health (Plan #27)—**Public Health Preparedness and Response to Bioterrorism (All-Hazards)**

How did you decide this was important: In order to respond to emergency situations, the Otero County Health Department needs to maintain a roster of personnel (OCHD Staff, other local entities, CDPHE staff) with the technical expertise to respond to potential biological, chemical, or radiological public health emergencies.

Specific Aim or Purpose: Develop and maintain a roster of personnel (OCHD Staff, other local entities, CDPHE staff) with the technical expertise to respond to potential biological, chemical, or radiological public health emergencies.

Desired Outcome: This roster will be maintained in the "Ready Folders" in all OCHD offices.

Measurement: Development and maintenance of rosters in all "Ready Folders" located in all OCHD offices.

Ouray County Public Health Department (Plan #46)—**Child hood obesity**

How did you decide this was important: The school nurses in our region meet quarterly. We discussed the prevalence of obesity in our districts school population. We decided collect the data we already record, document the results and use the data to prove the need for health education and improve cafeteria food i.e.: low fat menu selections.

Specific Aim or Purpose: Decrease childhood obesity in 5 school districts.

Desired Outcome: Improve menus in 5 school districts and educate and change behavior of school age children by offering low fat menus.

Measurement:

Park County Public Health Nursing Service (Plan #55)—**Emergency Preparedness Training**

How did you decide this was important: This was at 50% according to the Critical Capacity Data obtained from Central region.

Specific Aim or Purpose: To Ensure that in the time of an emergency Park County Public Health will have the ability to respond to emergency situations that could affect a large proportion of the population.

Desired Outcome: All Public Health Nursing Staff will become familiar with disease causing agents that could be used on a mass scale by taking courses such as BNICE, Public Health Awareness, and other courses as they are offered. Each staff member will have participated in at least two of these courses within the next 12 months. Communication systems for the purpose of rapid dissemination of information will be maintained for the next 12 months.

Measurement: Documentation will be kept on file of all trainings completed. Nursing staff will participate in CoTrain. Health Alert Network System will be tested quarterly. Nursing staff will participate in the CEDRS Database system.

Park County Public Health Nursing Service (Plan #56)—**Linking Medicaid Clients to Services**

How did you decide this was important: Proficiency was at 16.7 according to data from the Critical Capacity Assessment received from the Central Region

Specific Aim or Purpose: To assure that people are linked to personal health services

Desired Outcome: Park County Public Health will have contacted 90% of newly eligible Medicaid clients to assist with connecting into services by year end 2004

Measurement: Numbers of persons on Medicaid will have increased by December 2004. Numbers of persons newly eligible for Medicaid between September 2003 and March 2004 was 75. 90% of these clients were contacted through EPSDT. It is felt that this trend will continue because the EPSDT contract is being renewed. Numbers of children meeting with medical providers will have increased by the end of 2004. Spanish Translators and Language line will continue to be in place. Mental Health and the Resource Exchange will have been included in the emergency preparedness plans. Promotional brochure develop on neighbor helping neighbor program distributed throughout county.

Prowers County Public Health Nursing Service (Plan #29)—**Inform, educate, and empower county residents about health issues R/T community assessment**

How did you decide this was important: It is important that the work of completing a community assessment is shared and developed with the residents of the county to inform, educated and empower them to make decisions about the health issues of the county.

Specific Aim or Purpose: To ensure that there is a shared vision for a healthy community and to utilize limited resources appropriately by prioritizing.

Desired Outcome: Community Mobilization and action on community assessment to begin by March 2005.

Measurement: 1) will continue to evaluate health statistics, primary and secondary, along with demographic data on a annual basis to determine health trends and needs of the community, will work with other agencies to ensure that collaboration is threaded through the community horizontally and vertically. This will ensure that perceived and real health issues are addressed appropriately with the limited resources that are available.

Prowers County Public Health Nursing Service (Plan #32)—**Community Assessment**

How did you decide this was important: 1. Last assessment completed Jan 2000, demographic shifts & changes have occurred. 2. Need to fulfill CDPHE contract requirements.

Specific Aim or Purpose: Conduct community health assessment using primary & secondary data & share findings with the community, willutilize partial components of the MAPP Assessment framework.

Desired Outcome: By March 31, 2005 there will be an updated community health assessment for Prowers County.

Measurement: Completed community assessment document that mets current needs for planning & developing health priorities for the county by providing oversight of each step & eventually by determination of the following: 1. Evaluating whether the community assessment is comprehensive enough & includes adequate information 2. Ensure that community participation is adequate. 3. Determine if it is consistent with the communities' perceptions. 4. Has been analyzed accurately

Public Health Directors of Colorado (Plan #98)—**Building infrastructure in Colorado to respond to a tuberculosis outbreak within a community**

How did you decide this was important: Recently, several communities in Colorado have experienced small TB outbreaks that had the potential of overwhelming the capability of a local health agency to provide the medical and public health resources to control the disease. Within the last 12 months, a TB outbreak occurred in Grand County that truly overwhelmed resources. That was a "wake-up" call for the entire state. TB is on the rise in Colorado and we need a system for moving limited state and local resources to an area in need. In addition, most communities will need increased technical assistance when such an outbreak occurs

Specific Aim or Purpose: To increase available state-wide technical assistance and resources to address a potential TB outbreak in a community

Desired Outcome: 1) A statewide plan that outlines how a community can tap available resources in a short period of time when unusually high level of TB cases have been identified2) Increase in availability of resources to fight potential outbreaks of TB

Measurement: These “set-aside” resources and technical assistance will be used to fight an outbreak in a community. An additional outcome is that this statewide strengthening of infrastructure related to TB control should also give us better information on the extent of the growing TB problem in Colorado and should provide a roadmap for the future for how Colorado should deal with this increasing problem. It should also provide valuable information as to which areas of Colorado are most vulnerable for future outbreaks and which areas within Colorado need to strengthen their local programs. This ultimately should lead to a stronger state-wide program for fighting TB.

Public Health Directors of Colorado (Plan #99)—**Basic Health Services**

How did you decide this was important: Although the State Board of Health adopted a list of basic and recommended public health services in 1984, since that time these have been largely ignored, leaving us with a patchwork quilt of public health services.

Specific Aim or Purpose: Work with the State Board of Health to establish and disseminate an updated list of basic and recommended personal health services, with implementation plans and delineation of authority.

Desired Outcome: A list of basic personal health services which are being provided uniformly across the State of Colorado by local and regional public health entities

Measurement: A periodic report will be required of all local public health entities, reporting on the level of success attained in the provision of the basic and recommended personal health services.

Public Health Directors of Colorado (Plan #100)—**Food Safety Resources**

How did you decide this was important: Identified as a priority of Colorado Counties, Inc. (Health & Human Services Committee) and a CALPHL prioritization discussion at a quarterly membership meeting. Local general fund support the majority of costs for inspection programs. Decreasing state and federal support for other essential local public health services has put pressure on local governments to shift local general fund to services that cannot be supported by user fees.

Specific Aim or Purpose: Assure long-term sustainability of local retail food safety inspections programs.

Desired Outcome: Develop the capacity for local boards of health to establish license and/or inspection fees to cover the direct costs of operating local retail food service establishment inspections.

Measurement: 1) Local boards of health receive authority to establish retail food safety fees locally; and 2) available local general fund is shifted to support other essential public health services.

Public Health Nurse Association of Colorado (Plan #86)—**Assure a competent Public Health and personal health care work force**

How did you decide this was important: Colorado State Survey on Public Health Work Force Status age, education, training, knowledge and skills.

Specific Aim or Purpose: Improve and enhance Public Health practice and performance through development of a competent workforce.

Desired Outcome: Development of a skilled and competent work force via Public Health Standards developed via resources

Measurement: Number of members and their areas of expertise/experience identified and signed up to participate

Public Health Nurse Association of Colorado (Plan #108)—**Updated edition of the Colorado Public Health Nursing Position Paper 2000**

How did you decide this was important: The CPHN Position Paper 2000 was published four years ago. CPHN had discussed that there should be an update every 5 years. The last four years have brought leadership opportunities for nurses to participate in bioterrorism response planning and new technological ways to work with the community.

Specific Aim or Purpose: This publication has been useful in recruiting nursing students to public health. It also educates and promotes the value of public health nursing to the community, public health colleagues, and policy makers.

Desired Outcome: A publication that reflects trends of the last 4 years and what the future direction of public health nursing is.

Measurement: A new edition of the Colorado Public Health Nursing Position Paper 2005 will be ready for distribution by December 31, 2005.

Pueblo City-County Health Department (Plan #17)—**Monitor Health Status to Identify Community Health Problems**

How did you decide this was important: There are frequent requests by individuals & agencies within the community to access health data about the Pueblo community

Specific Aim or Purpose: Monitor health status of Pueblo to identify community health problems

Desired Outcome: Recent information about Pueblo health indicators will be gathered and stored in a central accessible location

Measurement: Local health data will have been gathered & stored in a central location

Pueblo City-County Health Department (Plan #18)—**An updated Emergency Operations Plan**

How did you decide this was important: Plan created in 2002 and has not been revised

Specific Aim or Purpose: To have every section of the plan accurately reflect the newest information developed over the last 2 years.

Desired Outcome: To have an updated Emergency Operations Plan that employees at Pueblo City-County Health Department are familiar with.

Measurement: Possession of new Emergency Operations Plan by 100% of staff. Attendance by 98% of staff at informational staff meeting.

Rio Blanco County Nursing Service (Plan #79)—All Hazards Emergency Preparedness

How did you decide this was important: All Hazards Emergency Preparedness has been given to Public health agencies nationwide as their task in order to assure communities can effectively respond to any emergency situation

Specific Aim or Purpose: To assure an effective and realistic plan is in place that addresses all hazards & to investigate and respond to public health emergencies

Desired Outcome: Community collaboration & communication is improved, testing of plans on a regular basis, plans are evaluated yearly, maintaining up-to-date listing of all emergency contacts both for all hazards and communicable disease, continual re-evaluation of process and outcomes

Measurement: Community plans are up to date and effective based on table top exercises, post exercise evaluations. All emergency contacts are kept current & tested frequently.

Rio Blanco County Nursing Service (Plan #80)—Community Health Assessment using MAPP Process

How did you decide this was important: Community health assessment is required to be conducted every 5 years. The most recent assessment was done in 1998

Specific Aim or Purpose: To identify health needs and problems in Rio Blanco County

Desired Outcome: Setup evidence-based planning, implementation & evaluation process: help in prioritizing initiatives given limited resources

Measurement: Once assessment is completed community partners will be part of collaborative effort to address problems identified & then set priorities

Rio Grande County Public Health (Plan #118)—Inter-agency Communication

How did you decide this was important: Feedback concerning need for clear communication from partner agencies.

Specific Aim or Purpose: To improve the level of communications as it relates to interagency health program coordination (specifically the EPSDT program.)

Desired Outcome: The development of a system to improve dialogue bet.

RGCPH as the lead agency and involved agencies to send timely and consistent messages and to receive input and feedback. EPSDT clientele will be better served as a result of improved communication.

Measurement: File documenting outgoing and incoming communication, meetings, and telephone calls. Positive feedback indicating that communication has improved.

Rio Grande County Public Health (Plan #119)—Special needs populations in emergency preparedness

How did you decide this was important: Part of the BT work plan. Special needs populations are not adequately addressed in agency plan for mass dispensing/immunization clinics.

Specific Aim or Purpose: Formulate strategies to meet needs of special populations related to mass dispensing/immunization.

Desired Outcome: Public health emergency plans for RGC include provisions for special needs populations. All citizens of the community are included in a preparedness plan.

Measurement: Plan is in place. Tabletop exercise.

San Juan Basin Health Department (Plan #43)—Workforce BT Competency Development

How did you decide this was important: National Public Health Performance Standards Assessment Prioritization Matrix

Specific Aim or Purpose: Provide opportunity for all personnel to develop core competencies for emergency response to a natural or human caused emergency.

Desired Outcome: Successful completion of a course and post-test in mass vaccination clinic educational programs for all staff departments. Attendance and participation in table top exercise using NIMS model for agency response.

Measurement: Post-test based on answer questions J.1 in the Colorado Elements of Preparedness (by taking the Columbia University online Core Competency test). Mass vaccination tabletop using above skills will be observed and evaluated by above-mentioned regional staff. Evaluation of attendance/participation in ICS table top, evaluation of exercise.

San Juan Basin Health Department (Plan #62)—Evaluation of Prenatal Care Access

How did you decide this was important: National Public Health Performance Standards Assessment Prioritization Matrix

Specific Aim or Purpose: Assure that prenatal and delivery care is available to all pregnant women and begin to shift bulk of primary care to private providers.

Desired Outcome: All pregnant women will have access to high quality prenatal and delivery care that is appropriate to meet individual needs, including medical, educational, and support services.

Measurement: Monitor access to care of clients who go through presumptive eligibility, Prenatal plus, and Healthy Kids Satisfaction survey post-delivery. Numbers of clients who receive prenatal care through private providers increases

San Juan County Nursing Service (Plan #44)—Increase collaboration amongst county first responders and this Nursing Service.

How did you decide this was important: Re: Public health emergency responder- this nursing service's role has limited recognition and acceptance from first responders, e.g. EMS, fire, search & rescue, sheriff's dispatcher (president of co.'s Emergency Management Council/EMC). Nursing Service not invited to join EMC, struggled to gain active voting membership, once membership gained received little or no notice of upcoming meetings, e.g., received phone call from president 20 minutes into meeting. Sheriff dispatcher/EMC president antagonistic towards information shared from this office, e.g., small pox/mass IZ plan and SP vaccination vaccine material. New emergency planner on board May 2004 (previous planner deputy from sheriff's office who had little involvement in EMC and other needed activities). Positive response from new planner who is engaging and sees

"Big Picture" and recognizes importance of public health role. Continued work to build relationships is still sorely needed in her assessment and ours.

Specific Aim or Purpose: To improve our working relationship with our county emergency partners.

Desired Outcome: Regular attendance at EMC meetings with public health presentations/input as appropriate. Involvement of public health in planned exercises and interventions as they arise.

Measurement: Have positive interactive relationships with community partners through attendance at EMC meetings, acknowledgements of quarterly HAN alert tests, notification of scheduled EMC meeting on a timely basis, and feedback received from meeting presentations.

San Juan County Nursing Service (Plan #45)—**Public Health, Prevention- Parent Education Need**

How did you decide this was important: 2003 Community Readiness Assessment, rated community viewing the need for parent education at the infantile stage of denial and vague awareness

Specific Aim or Purpose: To achieve stronger parental linkage with our school drug prevention programs(K-12) and increasing the community's awareness for the need of parent education.

Desired Outcome: The following noted community readiness strategies will be employed through May 2005 with advancement to the community stage of "pre-planning".

Measurement: Focus groups will be scheduled March 2005. Will follow guidelines presented from the community readiness assessment strategies as listed above. Follow timetables presented. And reevaluate need with another community readiness assessment next April 2005.

Summit County Public Health Nursing Service (Plan #15)—**Emergency preparedness**

How did you decide this was important: County wide plan for notification of public of health threats and disease outbreak not coordinated. In particular coordination of PIOs not happening yet. Plan not in place to coordinate information release through which PIO when.

Specific Aim or Purpose: To develop county PIO group to provide venue for education around response to emergencies or disasters in county/community/region/etc To develop this group in the context of Incident Management Group using ICS/NIEMS structure.

Desired Outcome: Coordinated working group of County PIOs prepared to function as one in the case of emergency and /or disaster.

Measurement: Countywide cooperative of PIOs in place to include Public Health

Summit County Public Health Nursing Service (Plan #22)—**Public Health**

How did you decide this was important: State Public Health nursing Contract requires community health assessment every 5 years. Summit County indicator project was done in 2000 and community health assessment in 2001.

Specific Aim or Purpose: Update county health information based on most recent data to better plan for appropriate public health activity and to understand general needs in community

Desired Outcome: Data that will inform coordinated community activity to protect & improve the health of the community

Measurement: Success will be monitored by progress toward completion of a health assessment. Time line will be developed & met. Information will be published & disseminated throughout community & region to inform program decisions and policy making.

Teller County Public Health (Plan #11)—**Planning and Implementation**

How did you decide this was important: Identified lack of local planning and evaluation data has been collected and/or evaluated for program implementation

Specific Aim or Purpose: Determined program effectiveness and to provide information allocating resources and reshaping programs

Desired Outcome: More effective use of resources, identifying gaps in services, personal or population based

Measurement: Data driven assessment and intervention, utilizing effective quality improvement activities

Teller County Public Health (Plan #12)—**Inform, Educate and Empower People about Health Service**

How did you decide this was important: TCPH vision is "Healthy Mountain Living" and historically looks at increasing awareness of health lifestyle thru past programming such as WHAM (Well and health adults at midlife), immunizations, family planning, diabetes thru baseline local survey's, focus groups and state recommendations

Specific Aim or Purpose: TCPH effectively invests, manages and utilizes the local and state human, information, technology and financial resources through allocating existing resources collaborating to leverage system-wide resources and gaps in service

Desired Outcome: TCPH systematically review effectiveness health education/promotion intervention and applies findings to improve health communication and health education/promotion interventions. More informed public across all populations and socio-economic status to limit progression and/or delay of onset. Early detection and increasing access to intervention

Measurement: Individual Program Evaluation and Community Assessment done by students. BRFSS, CYS and YRBS will be conducted annually for the next 4 year s

Teller County Public Health (Plan #33)—**Community Health Assessment**

How did you decide this was important: 1. Five year Community Health pPan will need to be updated in 2005. 2. Lincoln County Public Health Director is new to the office and not familiar with the community.

Specific Aim or Purpose: To assess the health & needs of the community & monitor progress toward health-related objectives.

Desired Outcome: Develop programs & target health care needs specific for the community

Measurement: Educational & service programs for the top Health needs identified by the Community Health Assessment will be developed. Policies will be developed as needed for the programs. Evaluation of the program for availability, accessibility & effectiveness

Tri-County Health Department (Plan #13)—Assessing readiness plans through exercises.

How did you decide this was important: National Public Health Performance Assessment Results.

Specific Aim or Purpose: Determine the adequacy of TCHD preparedness plans through exercises and evaluation.

Desired Outcome: Reduce the number of areas for improvement identified by 10% during each consecutive exercise conducted.

Measurement: Success will be measured against completion of identified critical tasks by staff involved in each exercise and compared with 10% goal. Tasks not completed will be addressed to determine if plans and protocols need to be changed as appropriate.

Tri-County Health Department (Plan #16)—Community Health Assessment

How did you decide this was important: It was one of the top ranked essential services for improvement based on our agency's self-assessment.

Specific Aim or Purpose: Update and expand community health assessment to look at trends and identify areas of need.

Desired Outcome: Identify areas where there are large gaps between the status of our communities and the health-related objectives to better focus future health planning efforts.

Measurement: Through standardized & continual assessment of health data, we will be able to measure progress towards the Health People 2010 objectives.

University of Northern Colorado--Community Health Education (Plan #90)—Health Communication Planning

How did you decide this was important: National Public Health Performance Standards Assessment Matrix

Specific Aim or Purpose: Develop skills in the emerging public health workforce at the graduate level

Desired Outcome: Public health graduate students will be guided through a process in which they: Use research to help describe and determine the causes of the health problem that you plan to address with an intervention, and to detail the audience segments affected by the problem; Explore a wide range of possible strategies for the problem; Systematically select the strategies that may show the most promise to help the audiences; Understand the role communication can play in planning, implementing and evaluating selected strategies; Develop a comprehensive communication plan that includes audience research, pre-testing, production, launch and evaluation at every stage

Measurement: All students will participate in the interactive presentation and demonstrate ability to use the planning system and software resource by the end of the classroom session.

University of Northern Colorado--Community Health Education (Plan #91)—Health Communication Planning

How did you decide this was important: National Public Health Performance Standards Assessment Matrix

Specific Aim or Purpose: Develop skills in the emerging public health workforce at the graduate level

Desired Outcome: Develop skills in the emerging public health workforce at the graduate level

Measurement: All students will attend a presentation and demonstrate the ability document health problems and describe culturally-appropriate interventions to reduce health disparities through discussion and a typed research paper or project.

Weld County Department of Public Health and Environment (Plan #9)—Identification of Populations with barriers to basic health service

How did you decide this was important: Our experience has been these diverse populations have been missed for preventative services, immunizations, education. We used our assessment data .

Specific Aim or Purpose: Provide immunization services to homeless populations

Desired Outcome: Increase awareness in homeless shelter staff

Measurement: Count Number of referrals. Establish a baseline, then strive to increase immunizations over baseline in subsequent years.

Weld County Department of Public Health and Environment (Plan #10)—Exercise our Weld County Mass Prophylaxis Plan

How did you decide this was important: The WCDPHE has never exercised any of our emergency plans. It is vital to exercise these plans in order to improve them, and to ensure that Health Department staff are trained for emergency response.

Specific Aim or Purpose: To improve the WCDPHE Mass Prophylaxis Plan and WCDPHE staff emergency response capabilities.

Desired Outcome: 1. Health Department staff will gain experience working with other first responder agencies in a Public Health emergency. 2. Health Department staff will gain experience in Incident Command. 3. The WCDPHE will identify the strengths and weaknesses of the Weld County Mass Prophylaxis Plan.

Measurement: The WCDPHE will review the exercise evaluations provided by evaluators during the exercise, as well as the After Action Report, which will identify the areas that need improvement. These identified areas will be used to revise and update the Weld County Mass Prophylaxis Plan. These revisions will be tested should the opportunity for subsequent exercises arise.

Western Colorado Association of Environmental Health Officials (Plan #94)—Determination of Environmental Health Priorities for Western Colorado Environmental Health Services

How did you decide this was important: Based on observations and discussions with the WCAHEO group it has been determined that there are varying services provided by each county. WCAHEO would develop priorities and consistency of EH services and operations in Western Colorado.

Specific Aim or Purpose: To provide procedures and protocols for local health professionals in W. Colorado when developing operational guidelines for programs in their respective counties.

Desired Outcome: To provide procedures and protocols for local health professionals in W. Colorado when developing operational guidelines for programs in their respective counties.

Measurement: Success will be measured by approval by WCAHEO and distributed to CDPHE for review.

Western Colorado Association of Environmental Health Officials (Plan #95)—**Backflow/Cross-Connection Prevention in Retail Food Establishments**

How did you decide this was important: Essential Service # 4: Mobilize Community Partnerships to Identify and Solve Health Problems Indicator 4.2: Technical Assistance and Support

Specific Aim or Purpose: This one-day seminar defined the hazards and the solutions to many potential cross connections in food establishments and opened lines of communication on backflow issues in Colorado. The target audience included retail food establishment and food manufacturing operators; commercial plumbers; beverage system and chemical dispensing system installers; and water, plumbing, building and environmental health officials

Desired Outcome: Increased awareness of cross connection/backflow hazards associated with retail food establishments and food manufacturing facilities among environmental health and building inspectors, water purveyors, plumbers and food industry personnel. Emphasized the role of the environmental health specialist in identifying and effecting correction of backflow hazards in food facilities.

Measurement: Forty-one people attended, including soda and dish machine providers, plumbers, backflow specialists, water purveyors, building department officials, and environmental health inspectors from Front Range and Western Slopes.

ⁱ Dr. Florence Sabin was a pioneer in science and public health; Florence Sabin was born in Central City, Colorado, on November 9, 1871. She graduated from Smith College in 1893, attended the Johns Hopkins Medical School, and was the first woman to graduate from that institution. In 1902 she began to teach anatomy at Johns Hopkins. Appointed professor of histology in 1917, she was the first woman to become a full professor at a medical college. In 1924 Sabin was elected the first woman president of the American Association of Anatomists and the first lifetime woman member of the National Academy of Science.

In September 1925 she became head of the Department of Cellular Studies at the Rockefeller Institute for Medical Research in New York City. Her research focused on the lymphatic system, blood vessels and cells, and tuberculosis. In 1944 she came out of a six-year retirement to accept Colorado governor John Vivian's request to chair a subcommittee on health. This resulted in the "Sabin Health Laws," which modernized the state's public health system. In 1948 she became manager of health and charities for Denver, donating her salary to medical research. She retired again in 1951 and died on October 3, 1953.