

County of Chester Strategic Business Plan for Public Health

Last Revised: 03/12/2010

Mission Statement

The mission of the Chester County Health Department is to provide personal and environmental health services to residents and visitors so that they may grow, live and work in healthy and safe communities.

Department Issues

Issue 1 Population Growth

Increasing demand for health and environmental services generated by Chester County population growth, if not addressed, will result in:

- A strain on environmental resources
- Decreased ability to focus on prevention and healthy lifestyles
- Increased communicable and chronic diseases and mental health issues.

Issue 2 Environments and Stressors

Lack of access, vigilance, and awareness that promote healthy lifestyles and behaviors, if not addressed, will result in:

- Increased obesity rates
- Increased chronic diseases in both adults and children (such as diabetes)
- Increased premature death rates
- Increased poor birth outcomes
- Increased racial disparities of health outcomes
- Increased mental health issues
- A decrease in positive growth and development (school readiness) in children.

Issue 3 Emerging Diseases and Health Threats

The increase in emerging diseases and public health threats demands complex surveillance and monitoring and the ability to respond in an appropriate public health manner, which if not addressed, will result in:

- Increased chronic and communicable disease rates
- Increased drug resistant diseases
- Increased unsafe communities and environments
- Increased preventable deaths.

Department Goals

Strategic Goal 1 Healthier and Safer Communities

By 2014, Chester County residents and visitors will benefit from a healthier and safer community as evidenced by:

- Decrease Sexually Transmitted Disease rates from 181.6 to 175.0 per 100,000 population for Chlamydia and 17.8 to 16.0 per 100,000 population for Gonorrhea
- Decrease the enteric (see #1 below) disease rate from 43.4 to 41.3 per 100,000 population and the vaccine preventable disease rate from 85.5 to 83.0 per 100,000 population
- Decrease the racial disparity in low birth weight from 11.2% in African American births to 10.5% and maintain overall low birth weight rate of 6.8%
- Increase to 95% the public food facilities with critical violations on first inspection that have no critical violations at the second follow-up inspection

Strategic Goal 2 Wellness

By 2014, Chester County residents, workforce and students will adopt a healthier lifestyle as evidenced by:

- Increase to 45% the Chester County businesses that provide employees access to wellness programs
- Decrease in tobacco 30-day usage rate for youth from 10% to 8.5%
- Decrease in overweight (see #2 below) (including obese) rates from 56% to 54%
- Decrease in deaths due to chronic diseases (see #3 below) from 454.7 to 452.7 per 100,000 population

1 Enteric diseases are spread by contaminated food, water or contact with contaminated vomit or feces.

2 As defined by a body mass index (BMI) of 25 or more for overweight and a BMI of 30 or more for obese.

3 Chronic disease deaths include deaths related to diseases of the heart, malignancy neoplasms, cerebrovascular disease, chronic lower respiratory disease, and diabetes mellitus.

Licensing and Permitting

Purpose

The purpose of the Licensing and Permitting Activity is to provide licensing, permitting, inspection, investigation, and compliance services to Chester County residents and visitors so that they may be assured of safe homes, food, and water in the county, and may access businesses and schools that comply with public health regulations and laws.

Family of Measures

| Fiscal Year | Measure Variable | Units of Measure | Expected Value |
|---------------------|---|------------------|----------------|
| Demands | | | |
| 2011 | # of sewage/well inspections expected to be conducted | Inspection(s) | 5,950.00 |
| 2011 | # of public food facility inspections expected to be conducted | Inspection(s) | 7,500.00 |
| Efficiencies | | | |
| 2011 | \$ of per sewage/well inspection conducted | Dollar(s) | 221.00 |
| 2011 | \$ of per public food facility inspection conducted | Dollar(s) | 333.00 |
| Outputs | | | |
| 2011 | # of sewage/well inspections conducted | Inspection(s) | 5,950.00 |
| 2011 | # of public food facility inspections conducted | Inspection(s) | 7,500.00 |
| Results | | | |
| 2011 | % of sewage/well permits with complete applications issued within 7 days of receipt | Percentage(s) | 98.00 |
| 2011 | % of public food facilities with critical violations at first inspection have no critical violations at the second follow-up inspection | Percentage(s) | 95.00 |

Activity Manager

Defazio,Ralph E

Enviro Health Monitoring

Purpose

The purpose of the Environmental Health Monitoring Activity is to collect, analyze and report trends in environmental conditions to local, county and state government and community agencies so that they may use appropriate, accurate and timely information to mitigate the spread or impact of communicable diseases and/or public health threats.

Family of Measures

| Fiscal Year | Measure Variable | Units of Measure | Expected Value |
|---------------------|--|------------------|----------------|
| Demands | | | |
| 2011 | # of mosquito traps to be monitored | Trap(s) | 675.00 |
| Efficiencies | | | |
| 2011 | \$ per mosquito trap monitored | Dollar(s) | 235.00 |
| Outputs | | | |
| 2011 | # of mosquito traps monitored | Trap(s) | 675.00 |
| Results | | | |
| 2011 | % change in the mosquito population in areas where West Nile Virus was detected from pre-treatment to post-treatment | Percentage(s) | 50.00 |

Activity Manager

Defazio, Ralph E

Communicable Dis Surveillance

Purpose

The purpose of the Communicable Disease Surveillance/Treatment Activity is to investigate, analyze, and evaluate trends in reportable conditions and to provide education and treatment to Chester County residents so that they may be cured of their disease or condition and stop the spread of the disease to the public.

Family of Measures

| Fiscal Year | Measure Variable | Units of Measure | Expected Value |
|---------------------|---|------------------|----------------|
| Demands | | | |
| 2011 | # of Sexually Transmitted Disease (STD) services expected to be conducted | Service(s) | 5,000.00 |
| 2011 | # of Tuberculosis treatments expected to be provided | Treatment(s) | 500.00 |
| 2011 | # of communicable disease investigations expected to be conducted | Investigation(s) | 4,000.00 |
| Efficiencies | | | |
| 2011 | \$ per STD service provided | Dollar(s) | 129.00 |
| 2011 | \$ per communicable disease investigation conducted | Dollar(s) | 98.00 |
| 2011 | \$ per Tuberculosis treatment provided | Dollar(s) | 810.00 |
| Outputs | | | |
| 2011 | # of STD services provided | Service(s) | 5,000.00 |
| 2011 | # of Tuberculosis treatments provided | Treatment(s) | 500.00 |
| 2011 | # of communicable disease investigations conducted | Investigation(s) | 4,000.00 |
| Results | | | |
| 2011 | % change in the enteric disease cases | Percentage(s) | 0.00 |
| 2011 | % of active pulmonary TB clients complete their TB medication | Percentage(s) | 100.00 |
| 2011 | % change in the vaccine preventable disease cases | Percentage(s) | 0.00 |
| 2011 | % change in Gonorrhea disease cases | Percentage(s) | 0.00 |
| 2011 | % change in Chlamydia disease cases | Percentage(s) | 0.00 |

Activity Manager

Whenry, Darlene K

Maternal Child Health

Purpose

The purpose of the Maternal Child Health Activity is to improve the health of children, youth, and childbearing women living in Chester County so that they may develop into healthy, productive adults.

Family of Measures

| Fiscal Year | Measure Variable | Units of Measure | Expected Value |
|---------------------|--|------------------|----------------|
| Demands | | | |
| 2011 | # home visits expected to be conducted | Number(s) | 2,850.00 |
| 2011 | # WIC vouchers expected to be redeemed | Number(s) | 160,000.00 |
| Efficiencies | | | |
| 2011 | \$ per home visit conducted | Dollar(s) | 149.00 |
| 2011 | \$ WIC voucher redeemed | Dollar(s) | 5.00 |
| Outputs | | | |
| 2011 | # home visits conducted | Visit(s) | 2,850.00 |
| 2011 | # WIC vouchers redeemed | Voucher(s) | 160,000.00 |
| Results | | | |
| 2011 | % of singleton births to those identified by the Commonwealth Department of Health as enrolled in CCHD home visiting programs, deliver babies weighing >= 2500 grams | Percentage(s) | 95.00 |
| 2011 | % of WIC caseload compared to eligible WIC (Women Infants Children) | Percentage(s) | 98.00 |

Activity Manager

Yoder, Patricia S

Disease Prevention

Purpose

The Disease Prevention Activity is to provide immunization and emergency preparedness services to Chester County residents and visitors so that they may avoid life threatening conditions.

Family of Measures

| Fiscal Year | Measure Variable | Units of Measure | Expected Value |
|---------------------|--|------------------|----------------|
| Demands | | | |
| 2011 | # expected immunizations to be provided | Immunization(s) | 24,500.00 |
| Efficiencies | | | |
| 2011 | \$ per immunization provided | Dollar(s) | 14.00 |
| Outputs | | | |
| 2011 | # immunizations provided | Immunization(s) | 24,500.00 |
| Results | | | |
| 2011 | % of children who attend CCHD clinics are age appropriately immunized according to Advisory Committee on Immunization Practices (ACIP) recommendations | Percentage(s) | 90.00 |

Activity Manager

Schwartz,Sandra K

Public Health & Wellness Educ

Purpose

The purpose of the Public Health and Wellness Education Activity is to provide individual and group education services to at-risk and targeted populations so that they may increase their knowledge to make better decisions concerning healthy behaviors and practices through education and awareness of available preventative services.

Family of Measures

| Fiscal Year | Measure Variable | Units of Measure | Expected Value |
|--------------|---|------------------|----------------|
| Demands | | | |
| 2011 | # participants expected to be served in educational sessions | Participant(s) | 7,000.00 |
| Efficiencies | | | |
| 2011 | \$ per participant served | Dollar(s) | 57.00 |
| Outputs | | | |
| 2011 | # participants served in educational sessions | Participant(s) | 7,000.00 |
| Results | | | |
| 2011 | % of participants increased or maintained their knowledge of health issues as a result of education | Percentage(s) | 90.00 |

Activity Manager

Rankin, Melissa

Health Screening

Purpose

The purpose of the Health Screening Activity is to provide assessment, testing and analysis services to Chester County residents and businesses so that they may get their health risks identified and addressed.

Family of Measures

| Fiscal Year | Measure Variable | Units of Measure | Expected Value |
|---------------------|---|------------------|----------------|
| Demands | | | |
| 2011 | # participants expected to receive cardiovascular screenings | Participant(s) | 920.00 |
| 2011 | # expected home safety assessments conducted | Assessment(s) | 350.00 |
| Efficiencies | | | |
| 2011 | \$ per cardiovascular screening conducted | Dollar(s) | 40.00 |
| 2011 | \$ per home safety assessment conducted | Dollar(s) | 121.00 |
| Outputs | | | |
| 2011 | # participants receiving cardiovascular screenings | Screening(s) | 920.00 |
| 2011 | # home safety assessments conducted | Assessment(s) | 350.00 |
| Results | | | |
| 2011 | % of clients with identified health issues follow up with physician to get the issue addressed, based on questionnaire response | Percentage(s) | 55.00 |
| 2011 | % of clients with identified unsafe conditions in home were addressed/resolved | Percentage(s) | 90.00 |

Activity Manager

Rankin, Melissa

Public Health Advisory

Purpose

The purpose of the Public Health Advisory Activity is to provide leadership, assistance, collaboration, and consulting services to Chester County businesses, schools, community and healthcare agencies so that they may implement health related programs and policies within their organization.

Family of Measures

| Fiscal Year | Measure Variable | Units of Measure | Expected Value |
|---------------------|---|------------------|----------------|
| Demands | | | |
| 2011 | # expected business educated regarding benefits to offering wellness programs to employees | Business(es) | 150.00 |
| 2011 | # tobacco compliance checks expected to be performed | Check(s) | 370.00 |
| Efficiencies | | | |
| 2011 | \$ per business educated regarding benefits to offering wellness programs to employees | Dollar(s) | 755.00 |
| 2011 | \$ per tobacco compliance check performed | Dollar(s) | 206.00 |
| Outputs | | | |
| 2011 | # businesses educated regarding benefits to offering wellness programs to employees | Business(es) | 150.00 |
| 2011 | # tobacco compliance checks completed | Check(s) | 370.00 |
| Results | | | |
| 2011 | % of Chester County businesses educated about wellness programs intend to adopt or strengthen a wellness program, based on questionnaire response | Percentage(s) | 90.00 |
| 2011 | Maintain or reduce the compliance rate (sale of tobacco to a minor) at or below 8% | Percentage(s) | 92.00 |

Activity Manager

Rankin, Melissa