

**Program #40048 - Community Epidemiology** 2/21/2018

**Department:** Health Department **Program Contact:** Dr. Frank Franklin  
**Program Offer Type:** Existing Operating Program **Program Offer Stage:** As Requested  
**Related Programs:**  
**Program Characteristics:** In Target

**Executive Summary**

Community Epidemiology Services (CES) provides the fundamental capacity that enables the Public Health Division to make data-driven decisions, program improvements, and policy recommendations. CES helps public health leaders, policy makers, clinicians, and community members assess the magnitude of disease, disorder, and injury burden among community populations. CES identifies the drivers of health and disease determinants and captures whether health interventions are working well.

**Program Summary**

Community Epidemiology Services (CES) fulfills a unique and required governmental public health role by collecting and analyzing programmatic, population health, and environmental data to prevent disease, and promote and protect health among all County populations. CES includes Program Design and Evaluation Services (PDES), a unit shared between PHD and the Oregon Health Authority. PDES secures about \$3 million annually in grants and contracts to provide evaluation support to PHD, State public health, and other agencies, and to conduct applied public health research projects to improve community health, shape public policy, reduce health inequities, and study key emerging issues. CES functions include:

- 1) Leading PHD programs in coordinated public health data and epidemiologic analysis: CES identifies appropriate analytical approaches, helps assure the use of high quality data for analysis, and provides technical, scientific oversight and leadership for all research and assessment work in the PHD. CES provides support in quantitative and qualitative methods, guidance in the areas of traditional epidemiological analysis, social epidemiology, and equity-focused and trauma-informed methods in research and evaluation, and data management. In addition, CES works closely with the Communicable Disease Services program to provide outbreak response through data analysis support, statistical modeling, and standardized investigative guidelines.
- 2) Informing program and policy: CES provides, analyzes, and reports on population and health system data to support program development, strategic planning, resource allocation, decision-making, and community priorities (including community-based participatory research). CES provides public health practice recommendations to PHD leadership based on needs identified from local data and evidence-based and promising practices identified through literature review. CES serves a key role in evaluating whether programs and policies are effective, collaborating with partners to identify areas for improvement and highlight successes (e.g., Healthy Birth Initiative, REACH, and STRYVE).
- 3) Disseminating analytic findings: CES shares findings through public health data reports, peer-reviewed scientific manuscripts, policy briefs, web-based reports, and presentations to County and State leadership, programs, and community partners. Examples include the development, maintenance, and dissemination of the County Maternal Child and Family Health Data Book, Report Card on Racial and Ethnic Disparities, and the morbidity and mortality publications, which provides data on emerging policy issues (e.g., retail marijuana legalization).

**Performance Measures**

Measure Type	Primary Measure	FY17 Actual	FY18 Purchased	FY18 Estimate	FY19 Offer
Output	Number of data-related community collaborations that involve all partners and combine data with action.	14	15	14	15
Outcome	Number of reports monitoring health status through surveillance, assessment, & community engagement.	23	23	20	18

**Performance Measures Descriptions**

## Legal / Contractual Obligation

Oregon Revised Statutes (ORS) 431.416 Local Public Health Authority duties:

- (a) Epidemiology and control of preventable diseases and disorders
- (b) Parent and child health services
- (c) Collection and reporting of health statistics
- (d) Health information and referral services
- (e) Environmental health services

Program Design and Evaluation Services (PDES) is primarily grant funded, and program continuation is required by grant.

## Revenue/Expense Detail

	Proposed General Fund	Proposed Other Funds	Proposed General Fund	Proposed Other Funds
Program Expenses	2018	2018	2019	2019
Personnel	\$843,623	\$1,314,679	\$910,846	\$998,048
Contractual Services	\$8,000	\$421,752	\$50,195	\$285,000
Materials & Supplies	\$53,068	\$45,912	\$90,805	\$39,144
Internal Services	\$67,885	\$159,864	\$102,921	\$125,854
<b>Total GF/non-GF</b>	<b>\$972,576</b>	<b>\$1,942,207</b>	<b>\$1,154,767</b>	<b>\$1,448,046</b>
<b>Program Total:</b>	<b>\$2,914,783</b>		<b>\$2,602,813</b>	
<b>Program FTE</b>	6.15	9.34	5.80	6.48

Program Revenues				
Indirect for Dept. Admin	\$124,499	\$0	\$97,910	\$0
Intergovernmental	\$0	\$1,942,207	\$0	\$1,448,046
<b>Total Revenue</b>	<b>\$124,499</b>	<b>\$1,942,207</b>	<b>\$97,910</b>	<b>\$1,448,046</b>

## Explanation of Revenues

State Local Public Health Authority IGA: \$633,022  
Natl Institutes of Health: \$60,000  
State Of Alaska: \$552,000  
State Office of Multicultural Health: \$26,500  
AK Chronic Retainer: \$120,000  
Public Health Modernization: \$56,524

## Significant Program Changes

Last Year this program was: FY 2018: 40048 Community Epidemiology