



## Health Care Mitigation Grants Program Final Report

<b>Grant Recipient:</b>	<b>St. Mary Medical Center Foundation</b>
<b>Contract Number:</b>	<b>HD-8225</b>
<b>Award Amount:</b>	<b>\$73,145</b>
<b>Date Submitted:</b>	January 23, 2015

<b>Total POLB Expenditures:</b>	\$65,438.78
<b>Total Number Beneficiaries Served:</b>	1,046
<b>Please describe how you determined the number of beneficiaries served.</b>	
<p>During the grant period (January 1, 2014 – December 31, 2014), the St. Mary Mobile Care Clinic administered 1,046 units of service to beneficiaries in the Port of Long Beach designated impact zones. The “units of service” is defined as the number of unduplicated patient visits to the mobile clinic, where clients received at least an intake screening and a vital life signs screening to determine general health, respiratory and cardiac needs. St. Mary tracks this information through individual patients records generated at the time of the patient’s visit and entered into the Mobile Care Clinic’s electronic medical record system. If a patient presented to the Mobile Care Clinic more than once during the grant period, their information was not included in the total number of beneficiaries served.</p>	

<b>Provide a narrative description of the project.</b>
<p>The St. Mary Mobile Care Clinic (MCC) works to decrease the burden of asthma and pollution-related respiratory and cardiopulmonary illnesses in Port of Long Beach impact zones by providing comprehensive screenings to vulnerable populations (including children, adults and seniors) without access to medical care. Through its work, the MCC identifies and treats cardiac and respiratory illnesses such as asthma, COPD, and heart disease, while ensuring patients will be connected to a permanent medical home.</p> <p>During the grant period, the St. Mary Mobile Care Clinic focused on these key objectives:</p> <p>Mobile Care Clinic Capacity:</p> <ul style="list-style-type: none"> <li>• Purchase portable EKG machine in order to diagnose cardiopulmonary diseases by examining electrical activity of the heart.</li> <li>• Purchase vital signs machines in order to measure oxygen saturation of blood, indicating respiratory or cardiopulmonary ailments.</li> <li>• Purchase medical supplies: gloves, masks, gowns, tongue compressors, protective covers for thermometers and other medical supplies as warranted for program –specific activities</li> </ul> <p>Service Delivery:</p> <ul style="list-style-type: none"> <li>• Provide Electrocardiogram (EKG) and Pulmonary Function Test (PFT) diagnostic exams to the residents of zones 1a, 2a, 3a, 1b, 2b, 3b (as defined in the POLB Health Care</li> </ul>

Program Guidelines) , specifically:

- At least 260 EKG diagnostic exams over 1 year
- At least 35 PFT diagnostic exams over 1 year

Impact:

- Track the following data points for reporting and evaluation of program efficacy:
  - Purchase of equipment
  - Number of clients served divided into age groups of 0-18, 18-64, and 65+
  - Number and type of diagnostic exams
  - Patient hospital admissions and re-admissions after being seen at the St. Mary Medical Center Mobile Clinic.

**Provide a narrative discussion of the actual project results (outputs and outcomes) based on the metrics defined in your workplan. Please describe the methodology used for any quantitative results. Outcomes and outputs may include, but are not limited to:**

- Number of filters installed;
- Number of people served;
- Number of educational sessions held;
- Decrease in missed school/work days;
- Decrease in hospitalizations;
- Improvements in quality of life;
- Other

**Use additional sheets if necessary.**

Drafted in partnership between the Port of Long Beach and St. Mary Medical Center, the workplan for the Mobile Care Clinic (MCC) focused on three key areas: building the MCC’s capacity through equipment and supply purchases; service to the community by administering targeted respiratory and cardiac screenings; and impact from examining the effects of the MCC offerings on clients served.

**Mobile Clinic Capacity:**

In February 2014, the MCC purchased two pieces of equipment to expand the scope of screening services on the unit. The first was the Vital Life Signs machine with the ability to take blood pressure, temperature and spirometry, which measures basic lung function and helped the team to determine a client’s likeliness of conditions like COPD and asthma. The second piece of equipment was the Electrocardiogram (EKG) machine, which measures heart function and abnormalities in the hearts rhythm. Poor heart function can be a sign of diabetes, high cholesterol, and heart disease. As discussed in our previous quarterly reports, there was a delay in installing the EKG machine on to the mobile unit, which delayed the team’s ability to administer these tests for several months. The MCC also purchased a number of general supplies used for administering these tests such as gloves, thermometer covers, and disposable pads.

**Service Delivery:**

During the grant period, the St. Mary Mobile Care Clinic (MCC) administered 1,046 units of service to residents of Long Beach. For the purpose of our workplan, “units of service” is defined as a unique patient visit or 1 client served. In the “Units of Service for Residents in POLB Zones” chart below, the total number of beneficiaries served is broken down by each POLB impact zone as determined by the patient’s residence listed in their medical chart from the visit. St. Mary was able to draw its largest share of MCC clients from zones 1A and 1B, which account for 80% of clients served during the grant period.

Additionally we have tracked the number of total beneficiaries served by age group for which the results are broken down in the chart below. The overwhelming majority of client visits to the Mobile Care Clinic came from adults age 19 to 64.

<b>Units of Service for Residents in POLB Zones (All Quarters)*</b>	
<b>Zone</b>	<b>UoS</b>
1A	303
1B	537
2A	29
2B	14
3A	16
3B	147
<b>Total</b>	<b>1,046</b>

<b>Age Breakdown of Clients Served</b>		
<b>Age Group</b>	<b>Number</b>	<b>Percentage</b>
0-18	42	4%
19-64	910	87%
65+	94	9%
<b>Total</b>	<b>1,046</b>	<b>100%</b>

In terms of the type and scope of services administered to clients during the grant period, as illustrated in the “Diagnostic Exams Administered” chart below, all patients served on the Mobile Care Clinic received a vital life signs screening as part of their initial intake during a visit to the MCC. If a patient’s readings from the vital life signs screenings presented as abnormal (particularly for blood pressure or basic lung function), then they received further diagnostic screening in the form of a Pulmonary Function Test administered by the on-unit Respiratory Therapist or an EKG administered by the on-unit Nurse Practitioner.

<b>Diagnostic Exams Administered (All Quarters)**</b>	
<b><u>Exam Type</u></b>	<b><u>UoS</u></b>
Pulmonary Function Test (PFT)	515
Electrocardiogram (EKG)	87
Vital Life Signs	1,046

Due to both patient need and delays with the installation of the EKG machine, the MCC team administered a greater number of PFT examinations above our objective for the grant. At least 200 of the PFT exams and all of the EKG examinations were covered by funding from the Port of Long Beach. For clients exhibiting abnormalities in heart function from the vital life signs screening prior to the installation of the EKG machine on the mobile unit, they were referred to the St. Mary Family Clinic for further screening.

**Impact:**

The Mobile Care Clinic is a vital resource for the Long Beach community as it provides free respiratory and cardiac screenings with a focus on getting those who are uninsured connected with a permanent medical home. Often, those who are most in need are at risk of hospitalization and readmission because they do not have access to affordable medical care, or do not understand the risks of their conditions and how to manage their illness. Staff on the Mobile Care Clinic considers patient education to be the most important in preventing clients at-risk of respiratory disorders from developing a debilitating condition.

For example, the MCC recently had a man in his late 50s who received a heart screening that indicated both his glucose levels and EKG readings were abnormally high. These levels of poor heart function and blood sugar regulation could lead to stroke, blindness or limb amputation. The man knew he was diabetic, but did not have insurance and could not afford the medication on his own. The Nurse Practitioner gave him a prescription and referred him to the St. Mary Family Clinic for follow-up where he was able to receive diabetes management education and subsidized care. Two weeks later he came back to the MCC to visit the staff to thank them for getting him the help he needed to manage his own health.

The work of the St. Mary Mobile Care Clinic would not be possible without the support of the Port of Long Beach, who provided the funding to initiate this project. Since its founding in 2011, the Mobile Care Clinic has become a cornerstone in St. Mary’s community benefit work, particularly as we work to address the gaps in healthcare. The continued support of the Port has allowed us to reach even greater numbers of individuals in Long Beach suffering from respiratory and cardiac conditions.