

# Colorado Rural Health Care

## GRANT PROGRAM



### FINAL REPORT TEMPLATE

Name of organization reporting: Montrose County School District Re-1j: Northside Child Health Center

Dates covered by this grant: from July 1, 2009 to August 31, 2010

Executive Director: George Voorhis \_\_\_\_\_

Phone and Email: (970) 249-7726, gvoorhis@mcsd.k12.co.us

Contact person: (If different from Executive Director) Jennifer Danielson

Title: Pediatric Nurse Practitioner, Program Administrator \_\_\_\_\_

Phone and Email: (970) 240-6438, jdanielson@mcsd.k12.co.us

Mailing Address: PO Box 10000 \_\_\_\_\_

City/State/Zip: Montrose, CO 81401 \_\_\_\_\_

Fax Number: (970) 240-9296 \_\_\_\_\_

Amount of Grant: \$46,219.95 \_\_\_\_\_

Purpose of Grant: To improve access to primary medical and dental care at the Northside Child Health Center (NCHC) through expansion of services provided on site.

I hereby certify that the above and attached statements are true and accurate.

\_\_\_\_\_  
Signature of Executive Director or Authorized Board Officer

\_\_\_\_\_  
Date

## **I. NARRATIVE** (maximum of 3 pages, exclusive of photographs and testimonials)

### **A. Results/Outcomes**

**1.) Goal:** Improve access to primary medical and dental care by expanding basic level services provided at the Northside Child Health Center.

The Colorado Rural Health Care grant allowed us to meet this goal by expanding our services. The funds provided allowed us to purchase equipment to safely provide an expanded scope of care at our facility. We implemented use of purchased equipment on a continuous basis as items were purchased and training was completed.

**Objective 1:** Expand lab services provided at the NCHC. Reduce hospital laboratory cost to patients by providing services on site.

Through CRHC grant dollars we were able to purchase and establish a comprehensive primary care lab at our health center. Due to the patient population we serve, largely uninsured, we are now able to provide comprehensive care through our on site lab. We were able to purchase lab testing instruments to be used to diagnose and direct patient care. We were able to purchase patient testing equipment for vision and hearing as well as blood testing instruments. All of our purchases give us the opportunity to provide high quality care at a low cost. Our patients are able to receive the testing they need during their visit, thus eliminating the need for transportation to the hospital for lab work. This also reduces the costs incurred by outside lab orders or referrals for screening.

The NCHC purchased a lipid and liver enzyme analyzer, a chemistry analyzer, a hemoglobin A1C instrument, a scoliometer for screening for scoliosis, a comprehensive vision screening instrument, a ear fluid testing instrument, a hearing acuity instrument and a lead testing machine.

**Objective 2:** Become an "Other Outlet" Pharmacy and dispense medications directly to patients as appropriate. The NCHC will host a flu clinic in the fall of 2009, using the refrigerator for vaccine storage.

This objective was exceeded on one side and not pursued on the other. We have chosen to wait on the "Other Outlet" Pharmacy application and status as the balance of benefits and cost in terms of fees and time were reassessed. The nurse practitioner would have to complete a very lengthy process and application to become an "Other Outlet" Pharmacy. We worked with the local pharmacy and can not offer better prices to our patients by dispensing medications at the NCHC. Unfortunately, the families still must travel to a local pharmacy to fill medications.

We held a seasonal flu clinic in the fall of 2009. At this clinic we administered 92 doses of seasonal flu vaccine. We were also able to use our new CRHC refrigerator for H1N1 vaccine storage. This allowed us to participate in the statewide vaccine initiative. The nurse practitioner served on a strategic planning committee for Montrose County and received vaccine supply through her work with the county. Since we were able to purchase a refrigerator and tracing thermometer, we were able to store and administer H1N1 vaccines between November and April. We continue to store left over vaccine now. The NCHC administered 147 doses of H1N1 vaccine during the fall 2009 and winter 2010.

**Objective 3:** Provide basic level oral health care at the NCHC by purchasing portable dental equipment.

The NCHC began providing primary oral health services to patients in March 2009. Initial CRHC grant funds were used to purchase dental instruments for this service. The NCHC purchased reusable instruments to allow for delivery of oral health services on consecutive days. These included scalers, explorers, mouth mirrors and a handpiece. Through a budget revision the NCHC received approval to purchase additional portable dental equipment. We purchased a folding portable dental chair. The original plan was to use an in-kind professional dental chair. The NCHC saw a 220% increase in utilization for medical visits last year and therefore does not have the space to devote an exam room full time to dental care. For this reason we purchased a portable chair. We also purchased a portable syringe and suction machine and a professional halogen procedure lamp. The NCHC now has all the necessary portable equipment to provide oral health services. We will implement this program through funds from other grants and patient revenue.

Objective 4: Purchase and maintain emergency medical equipment.

The NCHC was able to purchase emergency medical equipment through this grant. We fortunately have only needed to use oxygen a few times but are now well prepared to handle the upcoming flu season. We purchased an oxygen tank and valve, portable suction machine, nebulizer machines (2), pediatric thermometers, a new high quality pulse oximeter and an automatic blood pressure cuff. These items will allow us to provide oxygen support to a patient in respiratory distress, deliver breathing medications and quickly and accurately measure vital signs and patient status. The thermometers purchased will allow us to accurately evaluate patients of all ages from birth up.

**2). Effect of grant**

This grant has already made an impact on our community and the patients we serve. We expect that impact to steadily increase over the next years. As is our goal will all NCHC projects we hope to make a difference and improve the health of every child and family we can. We cannot report completion of thousands of visits or lab tests, but we can report that providing lab testing and other services on site has made a huge impact on some patients and families.

The NCHC, through this grant, is established and prepared to provide comprehensive care on site to all pediatric patients. We are able to offer more comprehensive on site lab and testing services than the primary pediatric practice in town because of purchases through this grant. We are able to offer these services for low or no additional cost. A few of the screening test instruments, for example, have minimal maintenance or disposable cost. We will be able to offer screening with the only cost to the NCHC being the provider's time.

Our numbers for times of use of our new equipment remain small but are continuing to increase. We have completed 16 on site lead tests. August and September are the big months for school physicals where lead testing is required. The NCHC is now completing on average one or more lead testing per day. We have used the LDX Cholestech instrument to evaluate liver function and cholesterol 11 times with two follow up appointment for testing already scheduled. The other lab testing/screening instruments have recently arrived and have not been used much yet. We are confident that all of our equipment will be a great addition to our clinic and look forward to the opportunities to use it.

We were able to give over 200 flu vaccines during the fall and winter because of this grant. We were able to properly store vaccines. The ability to store vaccines allowed us to offer more vaccines to our patients and their families as it made us independent for this service. The nurse practitioner was able to schedule vaccine appointment as she wished without coordinating with the health department. We fell shy of our goal of administering 300 flu vaccines, administering 239 doses.

The NCHC offered primary oral health services to 65 patients. Services included screening, cleaning, scaling, fluoride application and sealant application when appropriate. All patients and their parents received oral health education and oral health give aways such as brushing timers, toothbrushes and tooth paste. We continue to schedule 18-20 patients per month for oral health services. Through this grant we are much more independent in delivery of oral health services. We no longer rely on the in kind assistance of community partners. These community collaborations remain necessary, but our purchases with this grant allow us more flexibility in scheduling for oral health appointments.

The value of emergency medical equipment and supplies is found less in total utilization and more in ability to respond in a time of need. We have thankfully not needed to use oxygen frequently nor advanced vital sign measurement. We have several cases in the spring that proved the value of having this equipment available. We had two children in need of oxygen and in need of immediate hospitalization. The ability to meet those needs is now present in our clinic. We have made good use of our new nebulizer machines for

delivery of breathing treatments. We have also used our pulse oximeter and thermometers to more accurately assess a sick 2 month old infant with a fever.

One community indicator that speaks to the effectiveness of the NCHC as a whole is that the weekly "free" clinic in town has seen a sharp drop off in requests for pediatric appointments. The local family practitioners and pediatricians volunteer their time at the Monday Mission Clinic and the pediatric group is no longer attending on a routine basis as children as using the NCHC instead. We hope to provide comprehensive primary care to these children at our clinic and believe that the additions we have made through this grant process will help us serve our patients better.

### **3). Collaborations**

The most valuable collaboration we had for this grant process was in working with our dental hygienist, an employee of the Community Dental Clinic of Montrose. She has offered invaluable insight into portable dental equipment, instruments and the needs for offering oral health services in a clinic such as the NCHC. She helped to guide research for purchases. We were able to use our connection with the hygienist to secure competitive pricing on all of our purchases.

Other helpful supports for this project included Montrose County HHS, and a few local medical practices. These organizations offered suggestions and feedback on ease of use of instruments being considered by the NCHC. The nurse practitioner at the NCHC was able to talk to three different practices, each using a different instrument to measure hemoglobin A1C. This comparison allowed the NCHC to make a decision of instrument for purchase on more real criteria than manufacturer quotes and promises.

#### **B. Photographs and Testimonials**

1. Photos are attached in a separate document with captions
2. Our success story is about LB. LB was six weeks old when she first came to the NCHC. She had seen the NCHC nurse practitioner over the holiday break at the local pediatric practice. She had had some trouble as a brand newborn and was struggling to gain weight as well as struggling with reflux. She switched her care to the NCHC because she no longer had health insurance. During the time of her care at the NCHC she continued to struggle gaining weight and was diagnosed with failure to thrive. Part of the lab work up for failure to thrive is a lab test for the liver functions. Her initial blood work was completed at the local hospital. Her liver enzymes were found to be high and she required weekly weight and blood tests for roughly a month then monthly. She was able to receive all of this care at the NCHC. The nurse practitioner was previously a pediatric ICU nurse and was able to easily collect the blood samples from the baby and run tests on site. LB unfortunately is not yet thriving as we would hope. She is being evaluated by specialists in Denver but she was able to receive necessary care during a financially and emotionally stressful time for the family. Today, while working on this report, the nurse practitioner was on the phone with LB's mother coordinating a visit for another lab test at the NCHC. Her liver enzymes remain elevated and she still requires monthly testing. We are so appreciative and grateful for this grant. It has allowed us to care for this baby, her family and hopefully many more to come.

#### **C. Future Plans**

1. What are the plans for sustaining the impact of the use of these funds?

We plan to use our patient revenue for purchase of disposable supplies necessary to operate the various instruments and equipment purchased through this grant. We will also bill Medicaid when appropriate for delivery of lab services and oxygen support services. The revenue from insurance billing will help to sustain these expanded services. We have applied for funding from a different foundation for our oral health project. The availability of portable equipment will allow for provision of oral health services on a small scale even if we don't receive additional funding for that project.

2. What plans do you have to communicate your outcomes and lessons learned with others?

The NCHC posted a quarterly newsletter on the Health Center website. This newsletter contains information about the services provided and success stories from the NCHC. Through our membership in the Colorado Association of School-Based Health Care (CASBHC) we will share out experiences, challenges and successes with other school-based health centers throughout the year.

3. If you have identified areas where increased collaboration between organizations or sectors would lead to increased positive outcomes for your constituents, briefly describe your ideas.

We are hopeful that as our expanded lab services become known to the pediatric community, that the local practices will consider sending children to the NCHC for screening and testing. This would allow the NCHC to receive referrals and further impact the pediatric community in Montrose.

**D. Other Comments- None**

**II. FINANCIALS**

1. We were able to spend \$45, 957.27 of our \$46,219.95 award. We kept our purchases within our four areas of expanded services, emergency equipment, refrigerator, lab supplies and portable dental equipment. Due to further research and finding reduced prices on various items we were able to purchase more instruments and screening tools for our lab than previously proposed. All purchases remain in keeping with the original grant proposal. We have \$262.68 remaining. We are able to write a return check for this unused portion of our award or propose to use this remaining balance for replacement of our broken office copy machine.

**Montrose County School District RE-1J**

**NS SBH CO RURAL HEALTH**

Fiscal Year: 2009-2010

From Date: 7/1/2009

Include pre encumbrance     
  Print accounts with zero balance     
  Filter Encu  
 Account Number      Description      GL Budget      YTD      Balance      Encu  
 22,607,00,2130,0610,000,1089,00,00,00      CO RURAL HEALTH CARE NS SUPPLI      \$46,220.00      \$5,763.79      \$40,456.21

Transaction Detail (Standard)

Reference Number	Requisition Number	PO/Ship Number	Description	Name	Job
1123	0	0	Standard Monthly JE's	kslater	Ge
2305	0	0	TO RECLS EMILY B REIMB FROM GRANT 1089 TO 1061	kslater	Ge
6/16/10 REIMB	8702	12485	AP POSTING	EMILY BOWMAN	Ac
CLIA 521859	7447	11297	AP POSTING	CLIAWAIVED.com	Ac
CLIENT 15593	7127	11012	AP POSTING	HARTMAN BROS PHARMACY	Ac
V859613	0	0	AP POSTING	WELLS FARGO CORP CARD	Ac

Encumbrance Detail (Standard)

Reference Number	Requisition Number	PO/Ship Number	Description	Name	Job
0	7127	11012		HARTMAN BROS PHARMACY	
0	7447	11297		CLIAWAIVED.com	
0	8702	12485		EMILY BOWMAN	

**Grand Total:**      \$46,220.00      \$5,763.79      \$40,456.21

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To Date: 6/30/2010

Imbalance Detail by Date Range

Imbalance \$0.00 \$40,456.21 Budget Balance % Bud 87.53%

	Amount
General Ledger	\$2,190.89
General Ledger	-\$290.67
Accounts Payable	\$290.67
Accounts Payable	\$2,157.50
Accounts Payable	\$935.00
Accounts Payable	\$480.40
Total:	\$5,763.79

	Amount
General Ledger	\$0.00
General Ledger	\$0.00
Accounts Payable	\$0.00
Accounts Payable	\$0.00
Total:	\$0.00

\$0.00 \$40,456.21 87.53%

**Montrose County School District RE-1J**

**NES SBH CO RURAL HEALTH 1089**

Fiscal Year: 2010-2011

From Date: 7/1/2010

Include pre encumbrance     
  GL Budget     
  Range To Date     
  Print accounts with zero balance     
  Filter Encr

Account Number      Description     
 CO RURAL HEALTH CARE NS SUPPLI     
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Transaction Detail (Standard)		Description	Requisition Num	PO/Ship Number	Description	Jou
Reference Number						
22.601.00.2130.0610.000.1089.00.00.00		CO RURAL HEALTH CARE NS SUPPLI				
0326013/COM002	457		422	AP POSTING	SCHOOL NURSE SUPPLY, INC	Acc
1244445233	200		187	AP POSTING	OFFICE DEPOT	Acc
267366	195		199	AP POSTING	GOLDMAN PRODUCTS, INC	Acc
34613010-3461301	449		416	AP POSTING	PSS PHYSICIAN SALES & SERVICE	Acc
5020828	845		792	AP POSTING	DARBY DENTAL SUPPLY,LLC	Acc
586/6530755	280		272	AP POSTING	PATTERSON DENTAL SUPPLY	Acc
96340673/9634593	210		201	AP POSTING	MOORE MEDICAL LLC	Acc
96380821/9637347	210		201	AP POSTING	MOORE MEDICAL LLC	Acc
						Detail

Encumbrance Detail (Standard)		Description	Requisition Num	PO/Ship Number	Description	Jou
Reference Number						
	0		199			
	0		187			
	0		201			
	0		272			
	0		416			
	0		457			
	0		845			
						Detail

**Grand Total:**      \$47,000.00      \$40,193.48      \$6,806.52

To Date: 9/15/2010

Performance Detail by Date Range  
Performance Budget Balance % Bud

\$500.00 \$6,306.52 13.42%

	Amount
Total	\$1,145.45
Accounts Payable	\$66.00
Accounts Payable	\$409.50
Accounts Payable	\$16,077.00
Accounts Payable	\$1,885.00
Accounts Payable	\$407.50
Accounts Payable	\$6,302.14
Accounts Payable	\$3,990.89
Total	\$40,193.48

	Amount
Total	\$0.00
Accounts Payable	\$500.00
Accounts Payable	\$0.00
Accounts Payable	\$0.00
Accounts Payable	\$0.00
Accounts Payable	\$0.00
Accounts Payable	\$0.00
Accounts Payable	\$0.00
Total	\$500.00

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