

# **West Virginia School and Community Partnerships for Children's Oral Health**

**Appalachian's Educational  
Assets:  
Investing in a Skilled Future**

**Rome, GA**

**October 25-27**

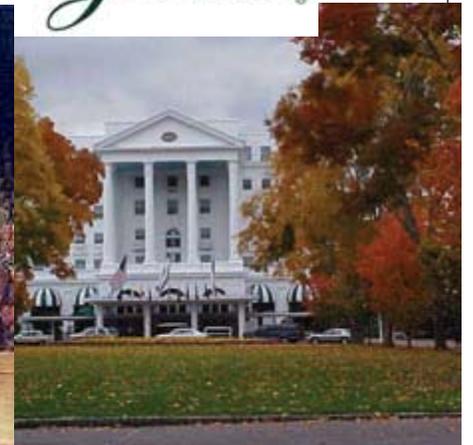
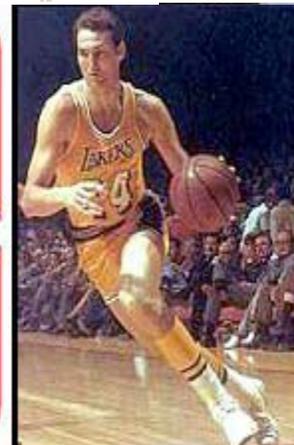
**Richard Crespo, PhD  
Marshall University School of Medicine**

# Almost heaven.....

- Coal Mining and Tourism
- Famous West Virginians:  
Mary Lou Retton, Jennifer Gardner, Don Knotts, Chuck Yeager, Kathy Mattea, Brad Paisley and Jerry West



The *Greenbrier*

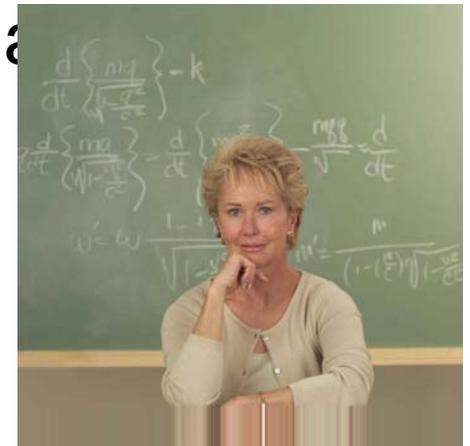


# WV Economics

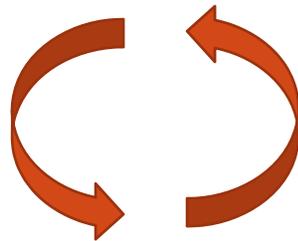
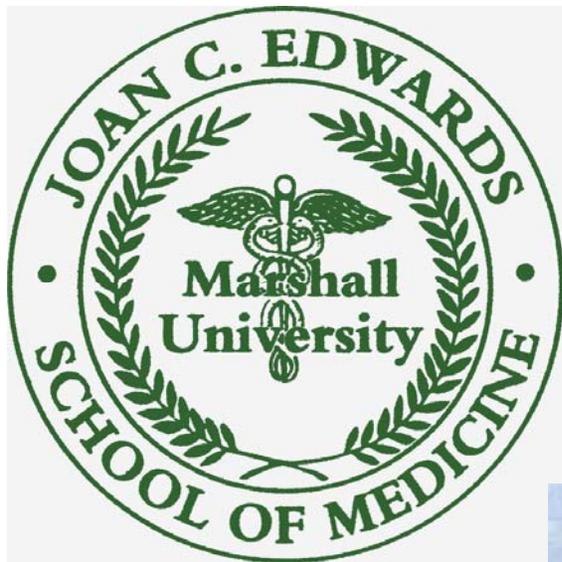
- Total Population; 1,814,468
- Median Household Income is \$37,528
- Largest Single Employer; State of WV followed by Wal-Mart
- 14% of Adults hold a Bachelor Degree or Higher



25% of total population is Caucasian



# Appalachian Regional Commission, Claude Worthington Benedum Foundation and Marshall University



**CLAUDE**  
**WORTHINGTON**  
**BENEDUM**  
**FOUNDATION**



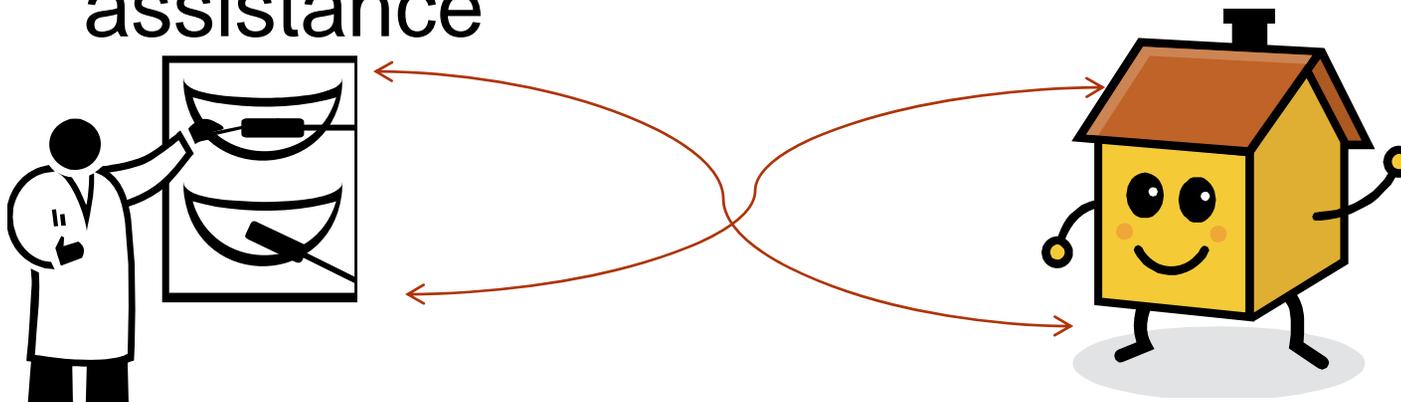
## PROJECT GOAL

“Establish school-community partnerships that improve the oral health of youth through school-based dental services”



# Long Term Outcome: Dental Home for Children

- Referral list sent to dentist after screening
- Referral sent to dentist after preventive treatment
- Follow-up parent phone survey offers assistance



# Serve the Whole Person

**Better  
Learning,  
Grades,  
Jobs,  
Future**

**Healthier  
mouth,  
body;  
attention in  
school, eat  
better, sleep  
better**

**Preventio  
n Fluoride  
Sealants  
Cleaning  
Education**

**Treatment  
Restoratio  
n Dental  
Home**

# Project Advisory Group

- State Dental Director
- Board of Education  
Dental Hygienist
- Representatives from  
Funders
- FQHC & School-  
Based Health Center  
Staff
- WVU School of  
Dentistry
- Marshall Staff



# Program Requirements

- A partnership of at least ***two community-based*** organizations
- Show support from the following: County School Board, Local Dental Society, and Target School(s)
- A sealant portion focused on 2nd/3rd and 6th grades.
- A fluoride program (if one is not currently in existence)
- Referral to a dental home
- Report to Marshall biannually
- Participate in a statewide surveillance using CDC's data collection instrument

# Program Components



**Education**

**Screening**

**Sealants**

# Process Overview

## One-Time Funding for:

- Portable or permanent dental equipment and related capital expenses
- Program costs for salary stipends, travel, supplies etc.
- Grant awards range from \$9,000 to \$24,000
- Encouraged building on existing programs and services
- Webinar for potential applicants; provided tips and suggestions to strengthen applications
- On-going technical assistance

# Portable dental chair set up in school gym



10/29/2009 9:37 am

# Statewide Support

- Bureau for Public Health
- WV Dental Association
- Dept of Education
- WV Partners for Oral Health
- WVU School of Dentistry



# State-wide oral health conference – mobilize stakeholders



# Award Process

- Two rounds of funding – some site not as ready as others
- Distressed Counties received priority in funding
- Webinar for people interested in applying
- Oversight committee reviewed and selected grantees
- Orientation and training workshop for new grantees
- On-site training in data collection

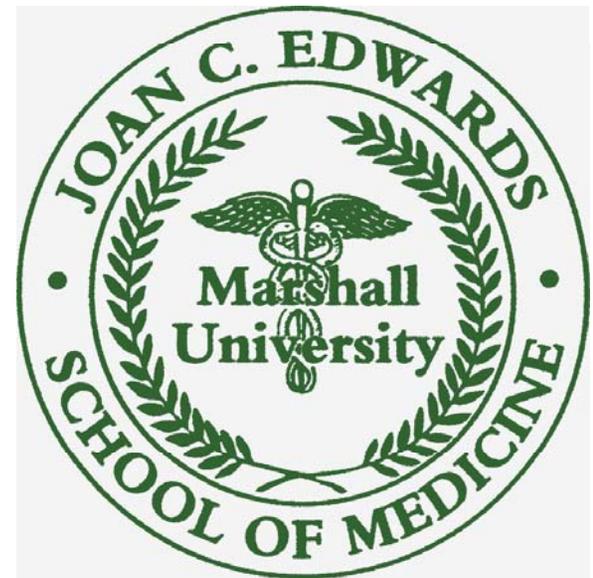
# Grantees

- 17 counties (out of 55)
- 9 FQHC's
  - 6 of which are SBHC
- 2 Local Health Departments
- 3 County Board of Education
- 1 Higher Education Program
- 1 Community Wellness Center
- 1 School Dental Health Center



# Grant Management: Marshall University School of Medicine

- Manage grant application process
- TA in grant application (help them to be successful!)
- TA in project implementation
- Set up and manage surveillance system



# Web-based Data Management System

## Advantages:

- No longer need to travel to the project site to install the database and updates.
- As new projects and new schools are added, the data manager can do this within minutes from her office.
- The export feature built into the database for allows her to review the data as entered to date



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 <http://musom.marshall.edu/crh/marshallsurvey/>

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 School Based Dental - Home 

# School-Community Partnership for Children's Oral Health in West Virginia

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## WELCOME - SCHOOL COMMUNITY PARTNERSHIP PROJECTS

Welcome to the School Based Dental Assessment Survey. Please login to begin your data entry. If you do not have a login, please contact Stephanie Montgomery for your login and password.

Contact information: [smontgom@marshall.edu](mailto:smontgom@marshall.edu) or 304-634-1008

Individual and statewide reports will be provided for activity during the periods 07/01/2010 - 12/31/2010 and again for the period 01/01/2011 - 06/30/2011. Please enter all data for those periods no later than the 15th of the month following the closing date for the activity report.

## Initial Assessment Findings

Untreated Decay

Untreated Decay Present ▼

Caries Experience

Caries Experience ▼

Sealant Already Present

No Sealants Present ▼

Treatment Urgency

Early Dental Care ▼

Referred for Treatment

YES ▼

Total Number of Decay or Filled Surfaces 1st Molars

2

Total Number of Decay or Filled Surfaces 2nd Molars

1

January 2010

# SCHOOL-COMMUNITY PARTNERSHIP for CHILDREN'S ORAL HEALTH IN WEST VIRGINIA

## Participants & Partners in Wood County

- ◆ Mid-Ohio Valley Health Department (MOVHD)
  - Lead Agency
  - Dental Hygienist/Oral Health Coordinator
  - Coordination of Care
  - Equipment/Supplies
  - Office/Dental Assistants
- ◆ Erin Branham, DDS
  - Supervising Dentist
- ◆ Blennerhassett Dental Society
  - Local dentists to perform screenings
- ◆ Wood County Schools
- ◆ Sisters of St. Joseph Charitable Fund
- ◆ Parkersburg Area Community Foundation
- ◆ National Children's Oral Health Foundation
- ◆ WVDHHR Children's Oral Health Program

## Wood County

Wood County is one of eight initial communities to benefit from a grant funding partnership between the Appalachian Regional Commission (ARC) and the Claude Worthington Benedum Foundation.

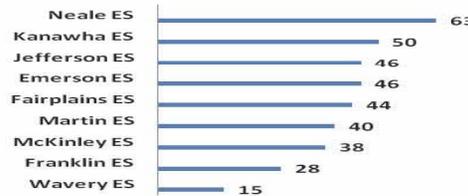
The grant provides support for communities to purchase dental equipment and to plan their programs.

The statewide project is managed by the WV School Health Technical Assistance & Evaluation Center at Marshall University, who provides oversight, technical assistance and evaluation.

Priorities are to increase the number of children receiving preventive services, such as sealants, and to increase the number of children with a regular dental home.

- ◆ 370 students received an initial screening
- ◆ The average age of students who received a screening was 7.4 years
- ◆ 48% of students screened reported that they did not have a regular dentist.
- ◆ 43% of students screened had evidence of untreated decay.
- ◆ 96% of those screened were referred to area dentists for further evaluation and/or treatment. Of those referred, 15 students had urgent needs.
- ◆ 41 students had existing sealants on the initial visit.

Students Receiving an Oral Health Screening at Participating Schools



Participating Dentists

- |                  |                            |
|------------------|----------------------------|
| Dr. Stacy Dean   | Dr. Aaron Perkins          |
| Dr. Dale Brum    | Dr. Michelle Lynch-Bowling |
| Dr. Erin Branham | Dr. Larry Yeater           |
| Dr. Sam Bever    | Dr. Lance Shears           |
| Dr. Jim Szarko   |                            |

Funds received through this grant allowed the MOVHD to expand the current school-based oral health program in Wood County by offering sealants as a further preventive objective.

Using portable equipment in the schools, students receive an oral health screening, cleaning and fluoride varnish by the MOVHD Public Health Practice Dental Hygienist. When appropriate, sealants are placed on teeth to help prevent decay. Arrangements for follow-up care is provided and students are helped to establish a dental home.

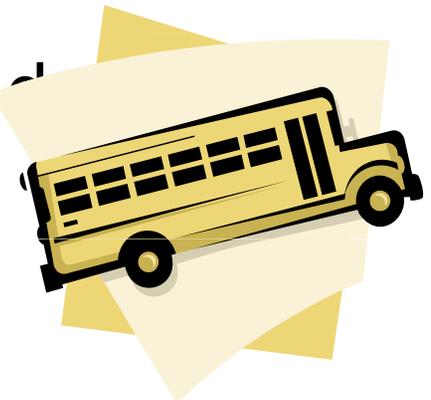
For more information: Mary Beth Shea, RDH at Mid-Ohio Valley Health Department (304) 485-7374 X168  
 Bobbi Jo Muto, RDH, BS at Marshall University School of Medicine (304) 542-9592

Report produced by: West Virginia School Health Technical Assistance & Evaluation Center Marshall University

Example of County Report

# 2009-10 School Year Data

- 68 elementary schools
- 2,306 children screened
- 62% were Medicaid insured
- 46% did not have a dental home (parent report)
- 43% had untreated decay
- 51% referred for further treatment
- 3.7% (86 students) needed urgent dental care
- 8% had sealants applied
- 32% received fluoride treatment



# BARRIERS

- Lack of understanding regarding the importance of oral health prevention
  - Parents
  - School Nurses
  - Teachers
- Lack of participation in preventive cli
- Challenge in reaching Title I parents for consents, referrals, follow- up



**Happy smiles:  
better self  
confidence,  
better grades,  
better jobs,  
better future!**

