



TRAINNational

TRAIN: An Innovative Approach to Public Health Education



Presenter Disclosures

Lois D. Banks

The following personal financial relationships with commercial interests relevant to this presentation existed during the past 12 months:

No Relationships to Disclose

This session will discuss:

- how TRAIN allows users to access over 18,000 public health courses, track learning and maintain personal educational records; and
- how TRAIN can be utilized as a recruitment tool for the future public health workforce.

Background

One of the major technological innovations that has taken place in continuing education over the past seven years has been the emergence of learning management systems.

A learning management system (LMS) is an automated system for administering the learning process within an organization.

The deployment of learning management systems to help develop personnel has become mainstream in most successful, large organizations.



The advantages begin with access to the training itself. Good learning management systems allow you to sort through global online catalogs for complete access to all the learning available to you and then easily filter through this information to select the courses that match your specific needs for training and certification.

You can access all of your learning resources through a single point of access.

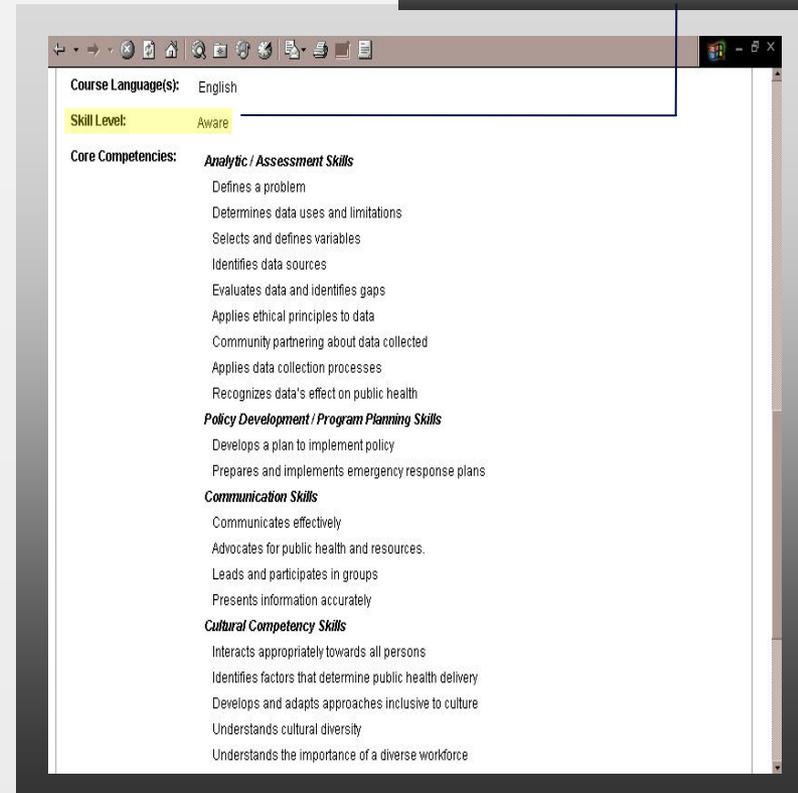
Detailed Course Description Information Page

Skill Level: Aware

Good learning management systems also allow you to evaluate your level of skill before embarking on a specific training.

This tool allows you to gain a better understanding of where you are today to determine which courses are needed to reach your learning goals.

This gives you the ability to construct development paths for yourself to view your own progress against your goals.



Course Language(s): English

Skill Level: Aware

Core Competencies:

- Analytic / Assessment Skills**
 - Defines a problem
 - Determines data uses and limitations
 - Selects and defines variables
 - Identifies data sources
 - Evaluates data and identifies gaps
 - Applies ethical principles to data
 - Community partnering about data collected
 - Applies data collection processes
 - Recognizes data's effect on public health
- Policy Development / Program Planning Skills**
 - Develops a plan to implement policy
 - Prepares and implements emergency response plans
- Communication Skills**
 - Communicates effectively
 - Advocates for public health and resources.
 - Leads and participates in groups
 - Presents information accurately
- Cultural Competency Skills**
 - Interacts appropriately towards all persons
 - Identifies factors that determine public health delivery
 - Develops and adapts approaches inclusive to culture
 - Understands cultural diversity
 - Understands the importance of a diverse workforce

Discussion Boards

Discussion Boards:

- ▶ Shareable course content
- ▶ TRAIN Feedback and Recommendations
- ▶ Requests for Training

Search Discussion Boards by Keyword

- Discussion Title
- Message Body
- Both

All Discussion Boards

Search

A sophisticated learning management system allows users to collaborate with their peers, both within their organization and across the industry, through discussion boards and course reviews.

Course Reviews

The screenshot shows the 'Course Details' page for the course '2005 12: CMED PHGRs "Influenza: Preparing to Prevent a Pandemic Disaster"'. The page has a blue header with the course title and a 'Back' button. Below the header are tabs for 'Course Details', 'Contacts', 'Registration', and 'Reviews'. The 'Reviews' tab is active, showing a review for 'Pandemic Influenza Presentation is good overview., May 10, 2007'. The review includes two 5-star ratings: 'Overall Quality' and 'Description Accuracy'. The review text reads: 'I felt that this was a good overview on the key pandemic flu issues we face. The presenter was very knowledgeable about the topic and made the information presented easy to understand for non-medical or scientific populations.' There are 'Add' and 'Export reviews' buttons. At the bottom, there is a 'Back' button and a 'Find other courses like this' button.

This gives you access to personalized training information, expert resources, and support through a single point of entry.

Finally, and perhaps the most advantageous, is the ability of an LMS to allow you to fully manage and track your own learning.

The best learning management systems have a documented transcript to serve as a dynamic record of your learning. It keeps track of everything you do - all of the live training attended, all of the e-learning courses taken, what stage you have reached within the course, assessments and evaluations taken, and all other activities.

TRAIN Transcript

Course	Reviews	Registered	Completed	Format	Pre-Assessment Score	Final Score	Credit	Verified	Withdrawn
Practicing Cross-Cultural Communication: The Bamboo Dragon	[Reviews]	12/29/2006	19/2007	Web-based Training - Self-study	N/A	100.00 points 100.00%	N/A	<input type="checkbox"/>	<input type="checkbox"/>
Practicing Cross-Cultural Communication: Hepatitis A Outbreak	[Reviews]	4/13/2006	7/14/2006	Computer-based Training	N/A	N/A	N/A	<input type="checkbox"/>	<input type="checkbox"/>
IS-700 National Incident Management System (NIMS), An Introduction	[Reviews]	12/29/2006	19/2007	Web-based Training - Self-study	N/A	100.00 points 100.00%	N/A	<input type="checkbox"/>	<input type="checkbox"/>
IS-200 ICS for Single Resources and Initial Action Incidents	[Reviews]	12/29/2006	19/2007	Web-based Training - Self-study	N/A	N/A	N/A	<input type="checkbox"/>	<input type="checkbox"/>
IS-100 Introduction to the Incident Command System <i>This course is prerequisite for: Functional Exercises</i>	[Reviews]	12/29/2006	19/2007	Web-based Training - Self-study	N/A	100.00 points 100.00%	N/A	<input type="checkbox"/>	<input type="checkbox"/>
HWI Induction Seminar	[Reviews]	4/23/2007	4/25/2007	Web-based Training - Self-study	0.00 points	95.20 points Passed	N/A	<input type="checkbox"/>	<input type="checkbox"/>
Diversity and Cultural Competency in Public Health Settings - Basic Level	[Reviews]	4/20/2007	4/20/2007	Web-based Training - Self-study	N/A	100.00 points 100.00%	Certificate of attendance	<input type="checkbox"/>	<input type="checkbox"/>
Communicate to Make a Difference: Exploring Cross Cultural Communication	[Reviews]	5/17/2006	19/2007	Web-based Training - Self-study	N/A	N/A	N/A	<input type="checkbox"/>	<input type="checkbox"/>

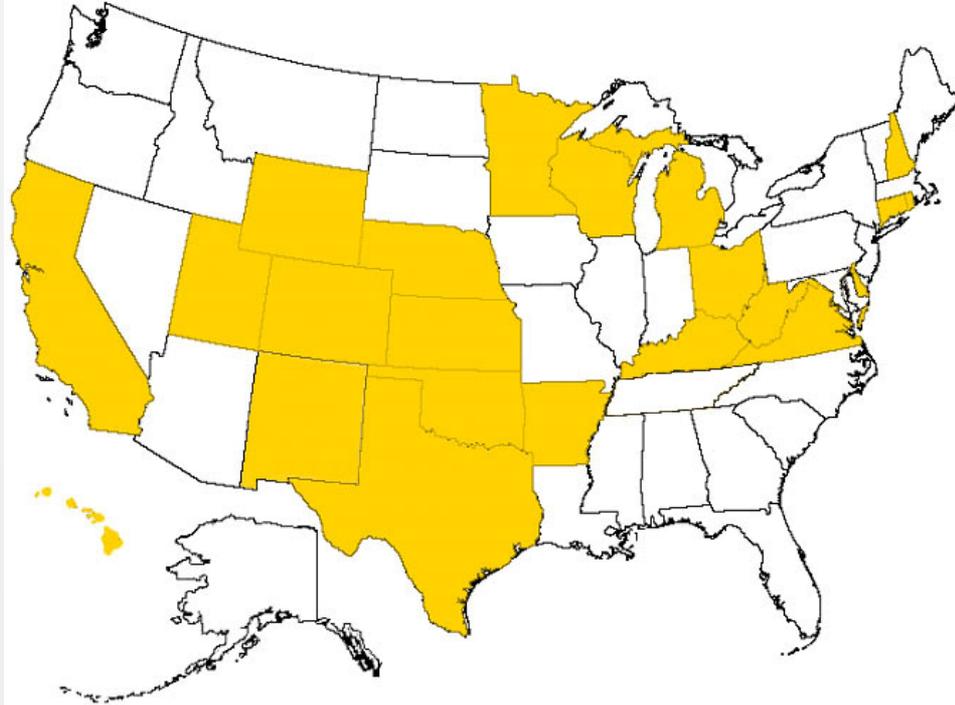
Course	Started	Completed	Format	Score	Credit	Verified
Dr-TRAIN Presentation	4/20/2007	4/20/2007	Not Available	N/A	None Offered 0	<input type="checkbox"/>
Low German Memorials	4/20/2007	4/20/2007	Not Available	N/A	None Offered 0	<input type="checkbox"/>
HFWA Security Training	7/14/2006	7/14/2006	Not Available	N/A	None Offered 0	<input type="checkbox"/>

The power of the transcript is its ability to show how much you have invested in your learning and how much has been achieved. Clearly, this is an enormous advantage when applying for promotions, seeking a new job, or approaching your organization about furthering your training.

HISTORY OF TRAIN

History of TRAIN

- Developed in 2003 in response to state requests
- A single system that permits and promotes sharing and learning across states
- Over 40 states and 400 health professionals involved in planning
- Continually improved with investments from many affiliates
- More than 380,000 registered learners



- **TRAIN is composed of 22 states and two national organizations, the Medical Reserve Corps and CDC's Division of Global Migration and Quarantine.**

WHAT IS TRAIN?

What is TRAIN?

- A web-based tool for health-related training
- Established as the most comprehensive distance learning clearinghouse for public health professionals
 - Database of over 18,000 courses; over 3,500 course providers; over 380,000 registered learners
 - National Sponsors; including the CDC, HRSA, and PHF
 - Core Competencies for Public Health Professionals plus Bioterrorism and Emergency Readiness Competencies
- Supports CDC goals and reporting requirements

- TRAIN offers two major course types
 - * Electronic courses
 - * Event-style courses
 - Posts live training event information
(Register for Conferences, classes, exercises, seminars, etc. including date, time, place, maps, etc.)
- Allows Course Providers to post learning content for a wide array of audiences
- Features a dynamic “search engine” for training

- **Features an Announcement board**
- **Tracks and reports user activity**
- **Tracks user course reviews**
- **Hosts Discussion boards**
- **Offers pre-test, post-test, and evaluation features**
- **Holds user Transcripts**
- **Allows users to receive CEU credits**

TRAIN also has a great return on investment



TRAIN is...

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- **Free for the learner!**
- **Convenient!**
- **User friendly!**
- **Available to you 24/7!**
- **Accessible anywhere!**

**It only requires a computer with internet connection!
(High Speed Access Is Preferred)**



TRAIN IS...

MORE THAN JUST A

LEARNING MANAGEMENT SYSTEM

TRAIN *is also a*
VENUE for
PUBLIC HEALTH RESEARCH



2008 – CDC calls for proposals to develop a program designed to increase the number of minority undergraduate students who pursue a career in public health

PHF was awarded funding for this initiative through the CDC Cooperative Agreement

Year 1 – Planning

Year 2 – Implementation

Year 3 – Tracking and Replicating

Questions?



Sharing Our Successes



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A Model for Recruiting Minorities to Public Health Careers: Analysis of the Data



Presenter Disclosures

Michelle E. Clausen, BS

The following personal financial relationships with commercial interests relevant to this presentation existed during the past 12 months:

No Relationships to Disclose

Background



In an effort to develop an outreach plan that would increase the number of minorities that pursue a public health career, PHF and Florida Agricultural and Mechanical University (FAMU), and CDC entered into partnership to develop, implement, analyze, and track a pilot project.

- Participants in this initiative responded to survey and evaluation questions
- Compiled data is being used to improve upon and replicate this model



You will learn how TRAIN can be used to:

- Collect and analyze data
- Track the participants in an initiative of this nature

A total of 40 students had signed up to take these courses



Expanded the parameters of the project to include Master's Level Students

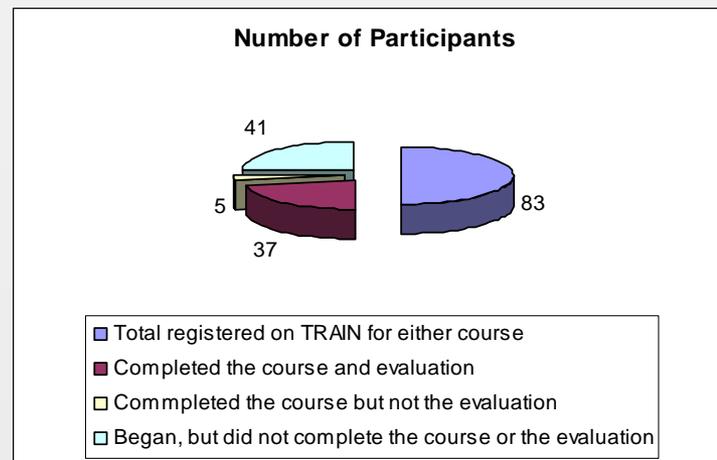


What does the data show?

- **83** students registered on TRAIN to participate in this initiative

Out of this number:

- **37** students completed the course and evaluation
- **5** students completed the course but not the evaluation*
- **41** students began, but did not complete the course or the evaluation



*note: these 5 students are not included in the total number of students that completed the course, as they did not complete the evaluation).

What is Public Health?

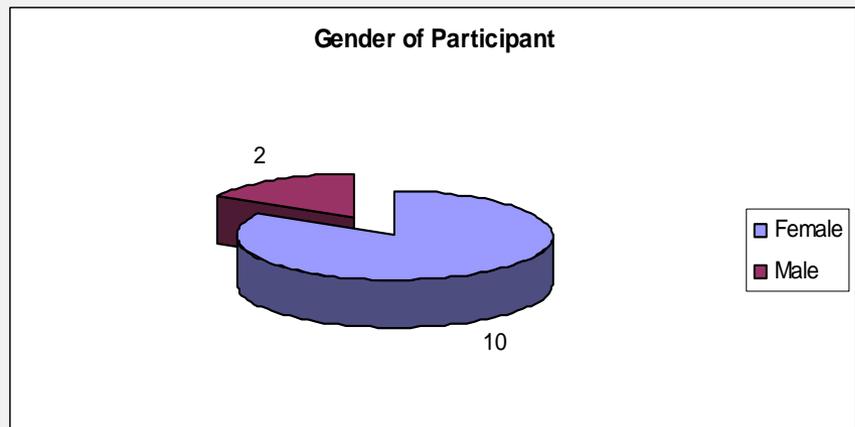
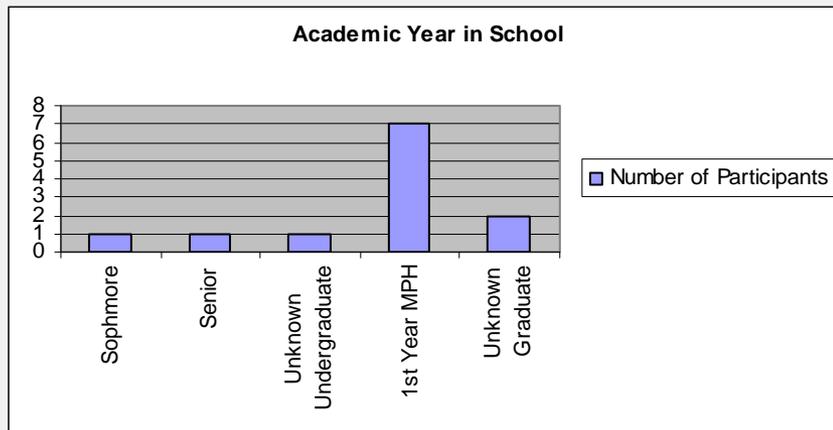
Course ID# 101090

Course Provider: Midwest Center for Life-Long Learning in Public Health

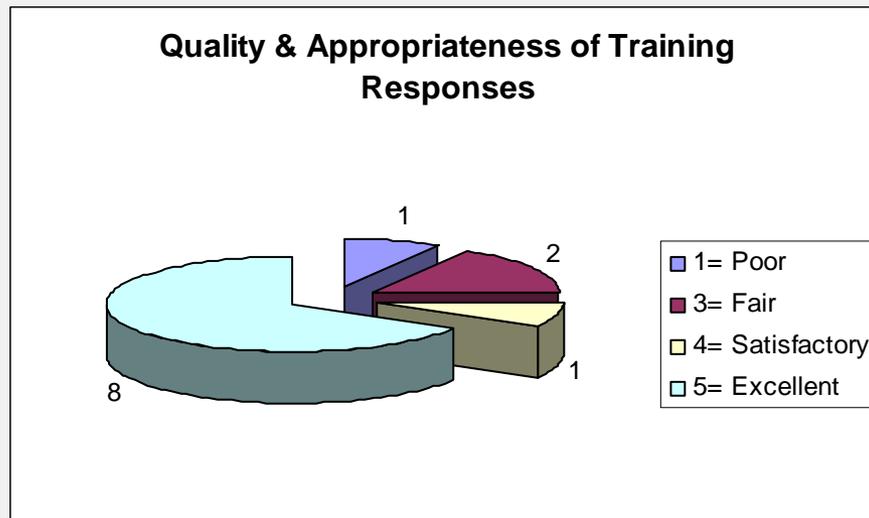
Course Description: This course presents basic public health concepts including:

- The principles of public health
- Essential Services of Public Health
- The importance of collaboration across governmental and private sector entities
- Achievements and future challenges of public health
- Cultural Competency
- Application of these elements is stressed through two case studies:
 - Public health emergency response to an anhydrous ammonia spill
 - An American Indian community that is faced with increasing obesity and diabetes rates among school-age children

Out of the 12 students that completed both the training and evaluation, there were 3 undergraduate (2 females and 1 male) and 9 graduate students (8 females and 1 male)



On a scale of 1 to 5 where 1 = poor and 5 = excellent, 8 participants rated the appropriateness and quality of this training as “Excellent”



When asked if the training changed their perspective/attitude about entering public health, 10 out of the 12 respondents answered in the affirmative



Orientation to Public Health

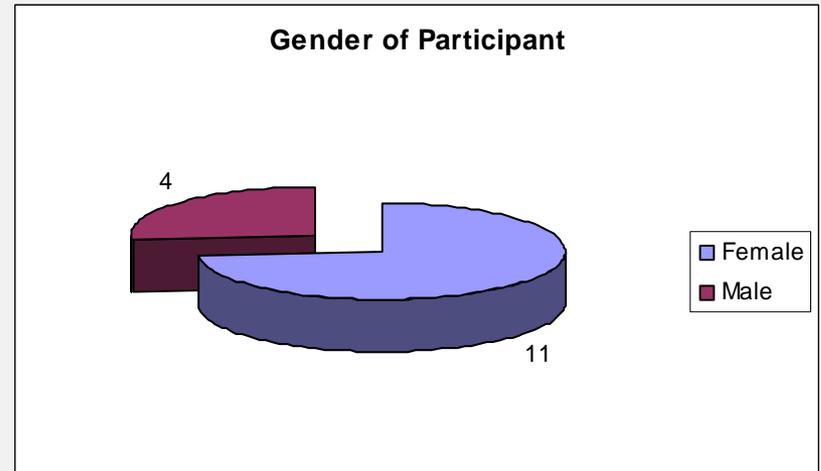
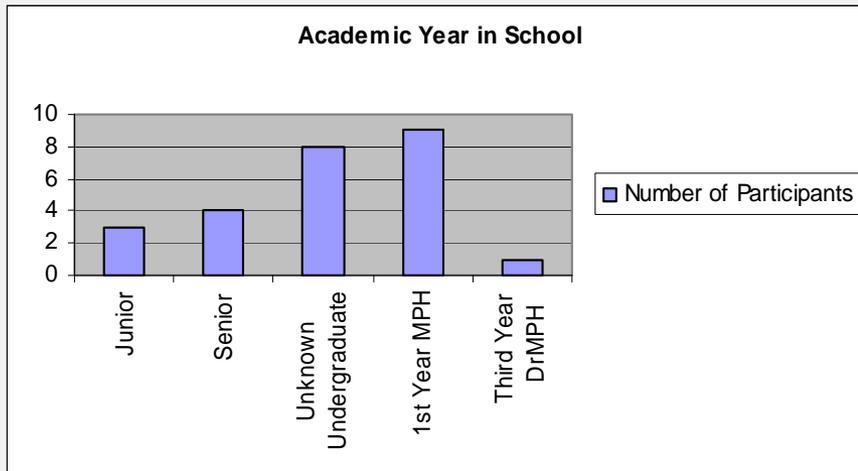
Course ID# 1000614

Course Provider: New York-New Jersey Public Health Training Center

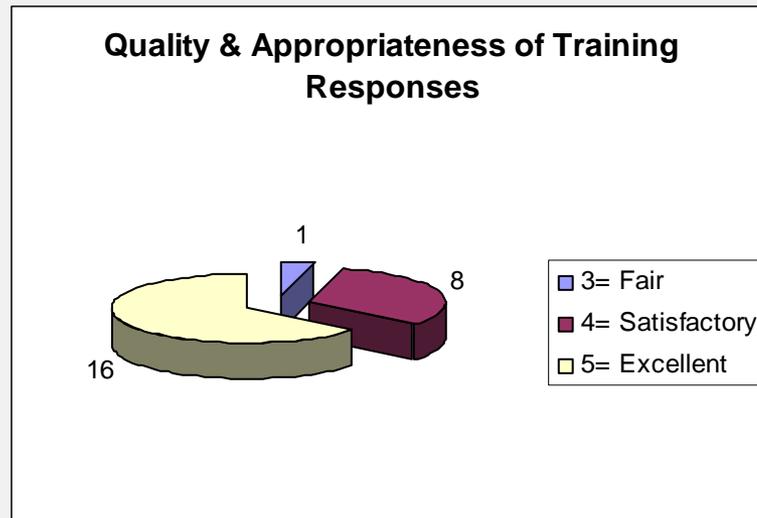
Course Description:

- This web-based course is designed for support and technical staff in public health agencies. It would be helpful for anyone new to public health practice. The course can be incorporated into routine orientation programs.
- **Course objectives:** As a result of taking this course, participants will be able to:
 - Define public health and its obligations.
 - Explain how public health differs from health care
 - Give examples of how a local health agency carries out the essential services of public health.
- This interactive course incorporates simulated e-mail messaging, assignment of tasks, interviews, and tests.

Out of the 25 students completing both the training and evaluation, there were 15 undergraduate (11 females and 4 male) and 10 graduate students (9 females and 1 male)



On a scale of 1 to 5 (where 1 = poor and 5 = excellent), 16 participants rated the appropriateness and quality of this training as “Excellent”



When asked if the training changed their perspective/attitude about entering public health, 20 out of the 25 participants responded in the affirmative



Results from the data

It is recommended that the students participating in this pilot project be monitored/tracked over the next 2-5 years

A tracking questionnaire has been developed and will be sent to participants to see if they follow through and enroll in a public health degree program and/or pursue a career in public health



Conclusion

It is concluded from the limited data collected in this pilot project, that utilizing TRAIN as a mechanism to introduce students to the field of public health has proven to be one such measure that may potentially have an impact on increasing the number minorities who enter a career in public health



Questions?



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Need for Minorities in Public Health

Presenter Disclosures

Sandi Brown, MPH

The following personal financial relationships with commercial interests relevant to this presentation existed during the past 12 months:

No Relationships to Disclose

Objectives

- Explain the importance of increasing the number of minorities in public health careers
- Describe how utilizing online training can serve as a motivator in increasing the number of minorities who are introduced to the field of public health

Importance

- Minority populations are not well represented in the health workforce
 - access to a health profession remains unequal
- Cultural competency
- Public health messages

Developing Better Career Access

- PHF/FAMU implemented a pilot project designed to increase the number of minority undergraduate students who pursue a career in public health
- Recruited students to take online public health training modules



Florida A&M University
 College of Pharmacy and Pharmaceutical Sciences
INSTITUTE OF PUBLIC HEALTH
 Presents



What is PUBLIC HEALTH??

Open your eyes to the possibilities...

Career Opportunities



Increase Your Knowledge in Public Health by Seizing the Opportunity to Take Two On-Line Introductory Public Health Training Modules for FAMU Undergraduate Health Science and Related Majors!!

You May Be Eligible For:

- *Career Building Internship!*
- *Free Flash-Drive!*
- *Listing of National Public Health Fellowships!*
- *Grand Tour of the CDC!*



This is PUBLIC HEALTH!!

KICKOFF of FAMU

Institute of Public Health/Public Health Foundation, Inc.



On-Line Public Health Training Modules for FAMU Undergraduate Health Science and Related Majors

When: Tuesday, October 27, 2009
Where: New Pharmacy Building, Room 102
Time: 6:00 p.m. – 8:00 p.m.

◆ Refreshments will be served immediately following the session ◆

Meet with national public health officials from the Centers for Disease Control and Prevention (CDC) and the Public Health Foundation, Inc. (PHF)!!

You May Be Eligible For:

- *Career Building Internship!*
- *Listing of National Public Health Fellowships!*
- *Free Flash Drive!*
- *Grand Tour of the Centers for Disease Control and Prevention!*

**Don't Miss Out on This Wonderful Opportunity!!
 Take Charge of Your Career now!!**

Sponsored by: Florida A&M University, College of Pharmacy and Pharmaceutical Sciences, Institute of Public Health &

Funded by: Public Health Foundation, Inc. TRAIN Program



For more information, please contact
 Ms. Sandi Brown at sandi1.brown@fam.u.edu or call (850) 599-3254

Goals

- Increase awareness/interest in Public Health
- Help undergraduate students access, use, and benefit from public health training
- Increase number of minorities pursuing a career in public health workforce

Using Online Trainings as a Motivator

- **Online Training**
 - Computer - major tool for teaching and learning
 - TRAIN - a unique web-based learning system
- **Exposure/Interest in Public Health**
- **Education**
 - Public health knowledge
 - Public health careers



• **Convenience**

- FREE online public health training modules
- Easy access
 - Internet
 - 24/7 accessibility
- Different modules
 - Overview/Introduction to Public Health
 - In-depth/Detailed information about public health
 - Interactive

Incentives for Participation

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- Benefits of Public Health Training
- Jump Drives
- Internship Opportunities
- Closing Ceremony
- Certificate of Completion

Example of Certificate

PHF - FAMU - CDC

Certificate of Appreciation presented to

Anderia Johnson

for participation in the

Minority Outreach Pilot Project

Increasing the number of minorities who pursue a career in public health

April 12, 2010

Lois D. Banks, DMin
TRAIN Director
Public Health Foundation

Axania Heyward-James, MD
Career Paths to Public Health Program Manager
Centers for Disease Control and Prevention

Cynthia M. Harris, PhD DABT
Director of the Institute of Public Health
Florida A&M University



Conclusion

- Increasing the number of minorities in public health careers is important
- From this pilot initiative it appears that online training is a successful way to increase the number of minorities who are introduced to the field of public health



Questions?



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**Contributing to A Diverse Public Health Workforce:
A Model for Recruiting Minorities to Public Health Careers**



Presenter Disclosures

Cynthia M. Harris, Ph.D., DABT

The following personal financial relationships with commercial interests relevant to this presentation existed during the past 12 months:

No Relationships to Disclose

Overview

This session will...

- Demonstrate how TRAIN is an effective mechanism for introducing minority undergraduate students to potential careers in public health
- Describe how this Minority Outreach Initiative will serve as a model for other academic institutions seeking to increase the number of minority students who will potentially pursue a career in public health

The Cooperative Agreement



The Public Health Foundation (PHF) was awarded a grant to work with one college or university with a minority population that has a division/school/institute/program in a health related field and to develop an outreach plan and marketing materials for undergraduate students that are aimed at increasing the number of minority students who pursue a career in public health. Florida A & M University (FAMU), a prominent HBCU, has a Institute of Public Health, which houses a Master of Public Health and Doctor of Public Health degree program, as well as other health related schools and colleges, and serves to benefit by collaborating on this initiative.

What is FAMU?

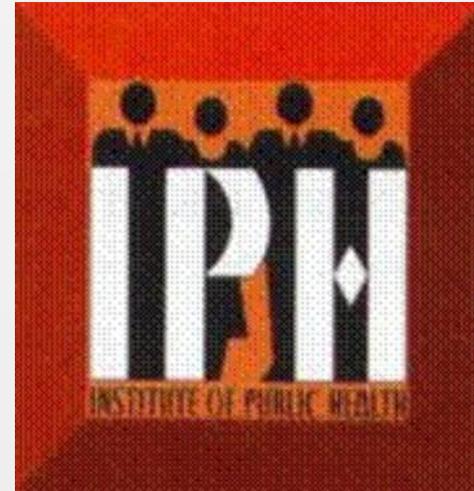
Florida Agricultural and Mechanical University (**FAMU**) is an 1890 land-grant institution dedicated to the advancement of knowledge, resolution of complex issues and the empowerment of citizens and communities

The University provides a student-centered environment consistent with its core values. The faculty is committed to educating students at the undergraduate, graduate, doctoral and professional levels, preparing graduates to apply their knowledge, critical thinking skills and creativity in their service to society

What is the IPH at FAMU?

Florida A&M Institute of Public Health

MISSION: The mission of the Institute of Public Health and the Doctorate of Public Health and Master of Public Health Degree programs is to improve the health status of the poor and underserved through graduate training, research and service.



The Goals of the Institute

- To provide quality graduate education and training in public health;
- To advance knowledge of the cultural competencies required to decrease high risk behaviors and to promote healthy behavior choices;
- To conduct research that provides an evidence base of improving the health of those who bear a disproportionate burden to disease;

- To encourage effective health promotion and disease prevention measures through proactive community outreach efforts statewide; and
- To contribute to the development of effective public health policy for Florida's poor and underserved populations.

The Collaboration

By collaborating with PHF on this initiative, FAMU (faculty, staff and students):

- Served as a model for other academic institutions seeking to increase the number of minority students who will potentially pursue a career in public health;
- Can track recruitment success;
- Benefited by having access to thousands of public health trainings already on TRAIN; and
- Were provided training and opportunities to post FAMU authored trainings on TRAIN.

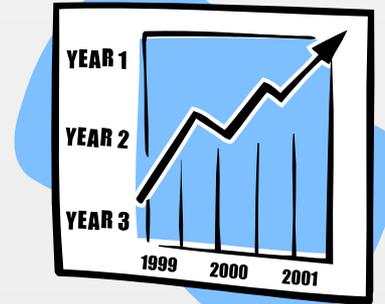
- Hired a Student Intern
- Provided TRAIN Training
- Selected Introductory Public Health Trainings on TRAIN
- Determined Measurable Outcomes

- Flyer
- Incentives
- Emails
- Meetings with FAMU Schools and Departments
- The Launch

More Than Equal to the Task

- Exceeded the number of students that were needed to participate in this pilot project (25 undergraduate students to sign up on TRAIN to participate in this initiative and 15 undergraduate students to complete the training and the evaluation)
- Expanded the project to include Master's Level Students

Developed an Evaluation



The Evaluation



Name:

Gender:

Age:

Area of Study/Declared Major:

Academic Year:

1. Which training did you complete? (Please select one)
 - a. What is Public Health, Course ID# 1010190 (Midwest Center for Life-Long Learning in Public Health)
 - b. Orientation to Public Health, Course ID# 1000614 (New York-New Jersey Public Health Training Center)

2. How was the quality and appropriateness of the training you are evaluating?
Please rate on a scale of 1 to 5 where 1 = poor and 5 = excellent.

The Evaluation (continued)

3. List three (3) things you learned about public health from the training.

4. Did this training change your perspective/attitude about entering public health? If YES, how did it change your perspective/attitude?
If NO, what could potentially change your perspective/attitude?

5. What is the relevancy of these trainings to your career goals?

- Closing Exercises
- Verbal Evaluation
- Party Time

What's Next?

- CDC provided funded to replicate this initiative in 5 additional schools with minority populations to include: Hispanic/Latino, Asian/Pacific Islanders, American Indian and African American
- Utilize TRAIN to track the FAMU students that participated in the pilot project

What's Next?

You can help by providing us with contact information for faculty in these schools who would potentially like to participate in the replication of this study



Questions?



Contact Information

Public Health Foundation

Lois Banks – Lbanks@phf.org

Michelle Clausen – mclausen@phf.org

Florida Agricultural & Mechanical University

Cynthia M. Harris – cynthia.harris@famu.edu

Sandi Brown – sandi1.brown@famu.edu

Thank You!