Expanding the Reach of Care: Utilizing Health Education for Diabetes Prevention and Control

September 11, 2018

2018 Midwest Stream Forum for Agricultural Worker Health

New Orleans, LA





Health Outreach Partners

WWW.OUTREACH-PARTNERS.ORG

WE SUPPORT HEALTH OUTREACH PROGRAMS by providing training, consultation, and timely resources.

OUR MISSION IS TO BUILD STRONG, EFFECTIVE, AND SUSTAINABLE HEALTH OUTREACH MODELS by partnering with local community-based organizations across the country in order to improve the quality of life of low-income, vulnerable and underserved populations.

WE SERVE Community Health Centers, Primary Care Associations, and Safety-net Health Organization





MHP Salud www.mhpsalud.org

WHO WE ARE: National organization focused on implementing Community Health Worker programs and helping other organizations start-up or strengthen Community Health Worker Programs. HRSA National Cooperative Agreement

MISSION: MHP Salud implements Community Health Worker programs to empower underserved Latino communities and promotes the CHW model nationally as a culturally appropriate strategy to improve health.

WHOM WE SERVE

Under-served Latino Communities Health Centers Health Systems Non-profits





Learning Objectives

By the end of the workshop, participants will be able to:

- Describe how outreach programs can effectively connect MSAWs to health center services for diabetes prevention and control.
- Explain the PRECEDE-PROCEED model and the Stages of Change and how to apply these models to health education.
- Identify at least two strategies for delivering effective health education on diabetes prevention and management in outreach settings.





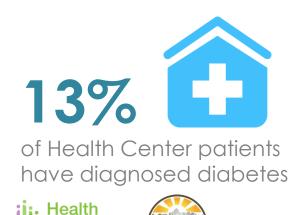
Diabetes and Agricultural Workers

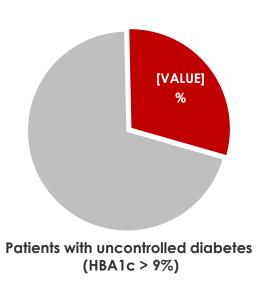


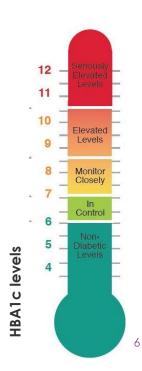


30.3 million people have diabetes in the U.S

7th leading cause of **death** in the U.S







In 2015, the estimated number of **new** diabetes cases was

1.5 million

In 2015, **+70,000**diabetic MSAW patients

1

242,264

medical visits

Of patients at
Migrant Health Centers have a
diabetes diagnosis

This number has been steadily increasing over the last 6 years.

In 2012, the total financial cost of diabetes in the U.S was

\$245 billion

MSAW Diabetes Risk Factors





Socioeconomic

- Poverty
- Food insecurity
- Lack of health insurance and prescription coverage
- Substandard housing
- Lack of reliable transportation



Individual

- Language barriers
- Cultural practices or beliefs regarding health care
- Dietary practices
- Health literacy



Occupational

- Lack of benefits, supports, and protections
- Unstable employment
- Work environments not conducive to medical care
- Physically demanding jobs
- Migratory lifestyle
- Necessity to travel long distances for work
- Possible link with pesticide exposure







Political

- Discrimination
- Fear of accessing care



Health Education

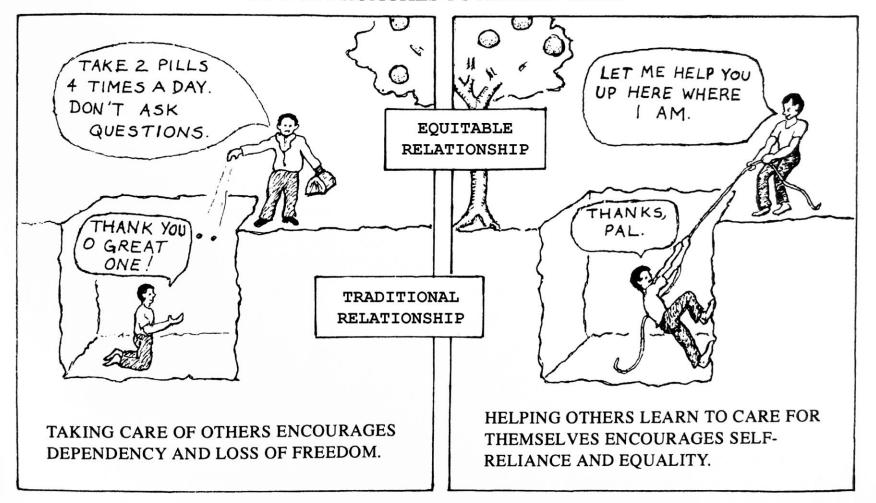


Health Education



- What is health education? The process by which individuals or groups are assisted in acquiring information, skills, and support regarding a relevant issue or behavior.
- What is the purpose? To facilitate
 healthier lifestyles by helping people
 change damaging behaviors and
 maintain positive behavior change once
 a commitment to change has occurred.
- How do you do it? Requires influencing behaviors

TWO APPROACHES TO HEALTH CARE



Definition of Behavior Change

An intentional change to a specific behavior





PRECEDE-PROCEED Model

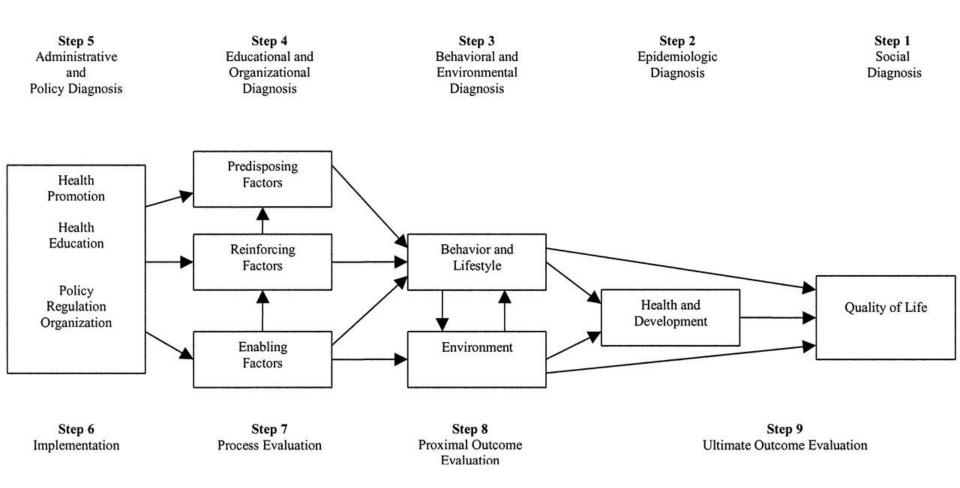
A tool for designing, implementing, and evaluating health behavior change programs.

PRECEDE

- Predisposing
- Reinforcing
- Enabling
- Constructs
- Educational/Environmental
- Diagnosis
- Evaluation

PROCEED

- Policy
- Regulatory
- Organizational
- Constructs
- Educational
- Environmental
- Development



Factors to Behavior Change - PER







Preparing Factors

The issues that provide the rationale or motivate someone to practice a particular behavior.

- Knowledge
- Self-efficacy

Sharing with or educating farmworkers

Enabling Factors

The issues that facilitate someone to practice that behavior

- Skills
- Resources

Assisting farmworkers

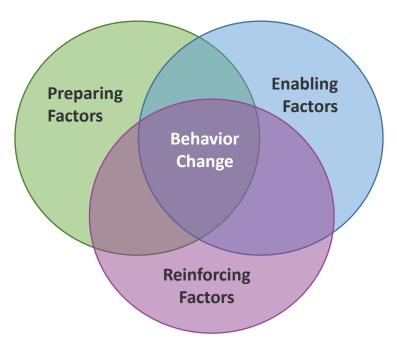
Reinforcing Factors

The issues that provide the reward or incentive for the behavior and contribute to continued practice

- Recognition
- Social support

Encouraging farmworkers to keep doing it

Factors to Behavior Change - PER

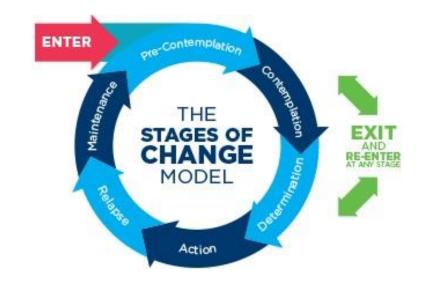


You **CAN'T** REINFORCE if **you haven't ENABLED**. **You can't ENABLE if you haven't PREPARED**.

Transtheoretical Model of Behavior Change

Also known as "Stages of Change"

- 1. Precontemplation
- 2. Contemplation
- 3. Determination/ Preparation
- 4. Action
- 5. Maintenance



1. Precontemplation

When a person is not yet ready to consider a change in the near future (usually defined as within the next 6 months).

A person is either unaware or unwilling to acknowledge that their behaviors are problematic.

Example: I am not going to stop smoking because most of my friends smoke as well, so it can't be that bad. It helps me relax and also gives me an easy way to start conversations with people.

2. Contemplation

In this stage, a person begins to weigh the pros and cons of their behavior and considers making a change in the near future (usually defined as within the next 6 months).

A person is now aware or acknowledges that their behavior is problematic and would like to change it.

Example: I have started noticing the effects that smoking is having on me physically, especially when I am exercising. I am starting to worry about the long-term effects smoking could have on me and I want to make a change before any of them happen.

3. Determination/Preparation

This is the stage in which a person is ready to make a change within the next 30 days.

A person in this stage is preparing and/or taking small steps to lead to a bigger change in behavior.

Example: I know smoking is not worth it anymore and I'm ready to change. I have enrolled in a smoking cessation program and have already started cutting back on how much a smoke a day by one cigarette.

4. Action

In this stage, a person is actively changing their behavior. A person in this stage is making the change and intends to move forward with it.

Example: It has been three months since I started the smoking cessation program. In the first month I cut back my smoking to only 2 cigarettes a day, and by the second month I quit altogether. It has now been two months since I've had a cigarette at all.

5. Maintenance

A person is sustaining their behavior change, usually for a period of at least six months, in this stage

The person has prevented relapse and intends to make the change permanent.

Example: It has now been six months since I've smoked. I still get the urges, but I have learned to chew sugar-free gum and avoid social situations where I might be tempted to smoke with friends.

Activity: Stages of Change

- 1. Precontemplation
- 2. Contemplation
- 3. Determination/Preparation
- 4. Action
- 5. Maintenance

Delivering Effective Diabetes Health Education





Health Education Basics

- Conduct a needs assessment
- Set your goals and objectives
- Select the right materials
- Know the background information
- Assemble an audience or meet with the patient
- Select a setting
- Implement your health education activity
- Conduct your evaluation (yourself, the activity, and the participants)



Applying Adult Learning Principles

- Explain the reason specific things are being taught
- Provide education through having participants <u>do</u> what is being taught instead of using memorization.
- Take into account the wide range of backgrounds of learners by using materials that allow for different levels and types of learning.
- Allow adults to discover solutions themselves with guidance and help when mistakes are made.

Learning Styles

Use methods that appeal to different learning styles:

Visual



Auditory



Tactile



Olfactory



Haptic



The Grab Bags

Brushing and Flossing

Toothbrush Toothpaste Mouth model Dental floss

Early Childhood Caries & Tooth Decay

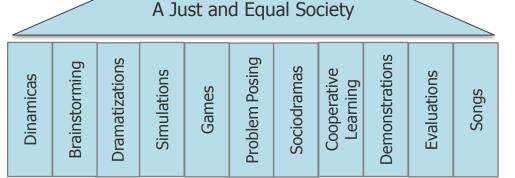
Images of bacteria
Baby bottle
Baby cup
Baby formula nutrition facts
cut-outs
Soft-bristled toothbrush

Nutrition

Nutrition labels
Empty fast food containers
(burgers, fries, etc.)
Soda
Potato chips
Cookies
Dried fruit
Water
Whole wheat bread
Brown rice
Fresh fruits and vegetables
Dried beans

Popular Education

House of Popular Education



We should constantly seek input to improve our teaching.

Education should be applicable to our daily reality.

Education should help people identify and solve community problems.

We all need opportunities to practice what we have learned.

We learn more when we experience something as reality.

We learn more when we are comfortable with our fellow learners.

We all learn more when we are actively involved.

We all learn more when everyone participates.

We learn more when we are having fun.

We all know a lot. We should always start with what people know.

Popular Education in Diabetes Education

Dinamica

Helps everyone feel comfortable with their fellow learners

Role plays

 Gives participants a chance to practice what they have learned

Review grocery receipts or nutrition labels

Starts with what people know and applies to their daily reality

Healthy cooking demonstration

Allows participants to experience something as reality

What would you include?

Scenario: You are conducting a health education session to a group that is *at risk* of developing Type 2 diabetes.



What would you include?

Scenario: You are conducting a health education session to a group of diabetic patients on proper diabetes treatment.



How Can You Use Popular Education?

In pairs, using the grab bags you developed in the last activity, come up with an activity that uses one of the methodologies from popular education (the pillars from the house of pop ed) to provide education on diabetes.

A Just and Equal Society											
	Dinamicas	Brainstorming	Dramatizations	Simulations	Games	Problem Posing	Sociodramas	Cooperative Learning	Demonstrations	Evaluations	Songs

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Bilingual Health Education Materials

www.outreach-partners.org/diabetesresources





Additional Resources & References





Additional Resources

- Know Your A1C Tool (Spanish and English)
- Addressing Diabetes Through Outreach: Innovative Outreach Practices Report

References

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THANK YOU!

HEALTH OUTREACH PARTNERS

Diana Lieu diana@outreach-partners.org

MHP SALUD

Cruselva Peña cpena@mhpsalud.org

Jennifer Bishop jbishop@mhpsalud.org



