Framework for Creating a Community Plan to Target Obesity

Sponsored by:
The Illinois Department of Public Health
and
Illinois Public Health Institute
Center for Community Capacity Development







Webinar Objectives

- Describe various obesity plans, initiatives and resources within Illinois
- Identify data for assessing a local community's obesity problem
- Describe the Social Ecological Model and how to apply it when developing a local obesity plan







Webinar Objectives

 Identify where to find evidence-based programs and interventions for obesity prevention and reduction

 Understand the importance of monitoring and evaluating obesity prevention initiatives







Presenters



Dr. Adam Becker, Executive Director Consortium to Lower Obesity in Chicago Children (CLOCC)



Angie Bailey, Director of Health Education Jackson County Health Department



Jeff Sunderlin, Program Manager YMCA-USA Healthier Communities Initiative Statewide Pioneering Healthier Communities









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Comparison of IPLAN Priorities - All Rounds Sample Tables and Charts ao 08-13-09

Trends

Increase in prevalence

Access moved to 2nd ranked from 5th ranked (tied with three others) in Round 1 and 4th ranked in Round 2.

Substance Abuse moved to 4th ranked in Round 3 from 5th ranked in Round 1 (tied with three others) and 3rd ranked in Round 2 Obesity is 4th highest ranked priority in Round 3; not reported in Rounds 1 and 2

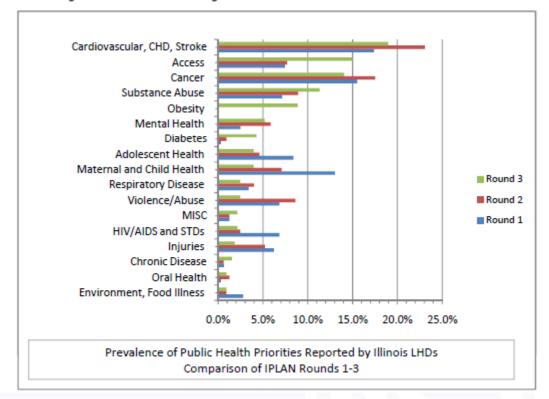
Diabetes moved to 6th ranked in Round 3 from 15th ranked in Round 1 and 14th rank in Round 2

Misc category reported 57% infrastructure barriers (related to access and workforce)

Decrease in prevalence

Cancer moved to 3rd highest rank from 2nd ranking in Rounds 1 and 2

IPLAN
Priorities:
How
Obesity has
increased
over time.

















Rationale and Reality







Scope of the Problem Statewide (Data)

Obesity in Illinois ranked among all the states (From CDC)

2008 State Obesity Rates							
State	%	State	%	State	%	State	%
Alabama	31.4	Illinois	26.4	Montana	23.9	Rhode Island	21.5
Alaska	26.1	Indiana	26.3	Nebraska	26.6	South Carolina	30.1
Arizona	24.8	Iowa	26.0	Nevada	25.0	South Dakota	27.5
Arkansas	28.7	Kansas	27.4	New Hampshire	24.0	Tennessee	30.6
California	23.7	Kentucky	29.8	New Jersey	22.9	Texas	28.3
Colorado	18.5	Louisiana	28.3	New Mexico	25.2	Utah	22.5
Connecticut	21.0	Maine	25.2	New York	24.4	Vermont	22.7
Delaware	27.0	Maryland	26.0	North Carolina	29.0	Virginia	25.0
Washington DC	21.8	Massachusetts	20.9	North Dakota	27.1	Washington	25.4
Florida	24.4	Michigan	28.9	Ohio	28.7	West Virginia	31.2
Georgia	27.3	Minnesota	24.3	Oklahoma	30.3	Wisconsin	25.4
Hawaii	22.6	Mississippi	32.8	Oregon	24.2	Wyoming	24.6
Idaho	24.5	Missouri	28.5	Pennsylvania	27.7		















OBESITY TRENDS* AMONG U.S. ADULTS

BRFSS, 1991 and 2006-2008 Combined Data

(*BMI > 30, or about 30 lbs overweight for 5' 4" person)

Source: Behavioral Risk Factor Surveillance System, CDC.

From CDC









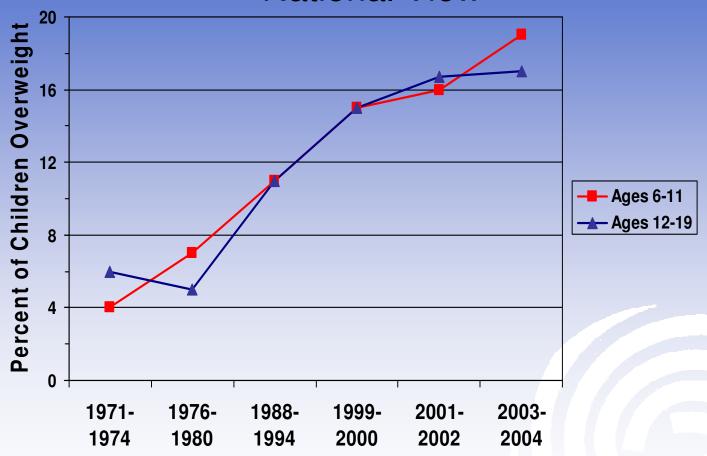






Trends in Child Overweight

National View



Source: NHANES, Centers for Disease Control and Prevention















Child Overweight in Illinois

- Illinois 10th in the nation for children in the 85th percentile of BMI or above (35%)
- Illinois 4th for 95th percentile of BMI or above (21%)
- Recent research suggests high rates of children moving into 99th percentile and above







Racial and Ethnic Health Disparities



From SUHI















Gaps in Prevalence Data

- Not enough data!
- Not locally specific!







Impact of the Problem Statewide

- Being overweight and obese puts people at increased risk for many health problems including
 - Coronary heart disease
 - Certain cancers
 - Dyslipidemia
 - Liver/Gallbladder disease

- Type 2 diabetes

- Hypertension
- Stroke
- Sleep apnea
- Respiratory/osteoarthritis/gynecological problems
- Overweight and obesity-related diseases cause premature death















- The economic costs associated with treating these diseased is substantial and increasing, accounting for more than 9% of total heath care costs
- Obese people suffer more injuries and disabilities and have more non-productive work days in total, creating a loss of earnings for Illinois employees and loss of productivity for Illinois employers
- Research shows that 27% of health care charges for adults over age 40 are associated with people being physically inactive, overweight, or obese







Social Ecological Model for Obesity Prevention

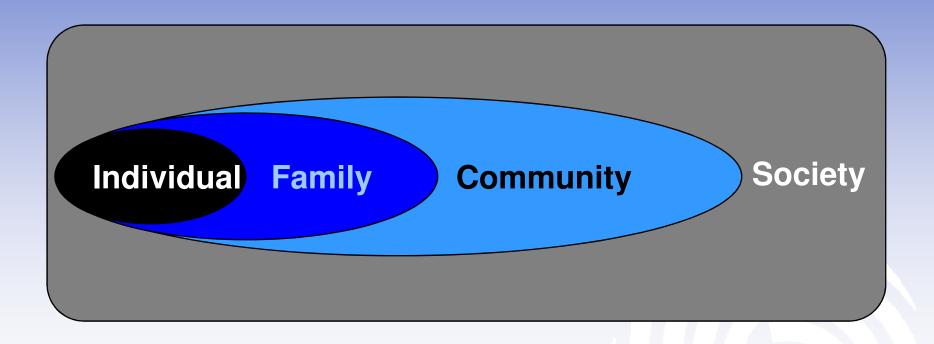






Addressing Childhood Obesity

An ecologic approach is required



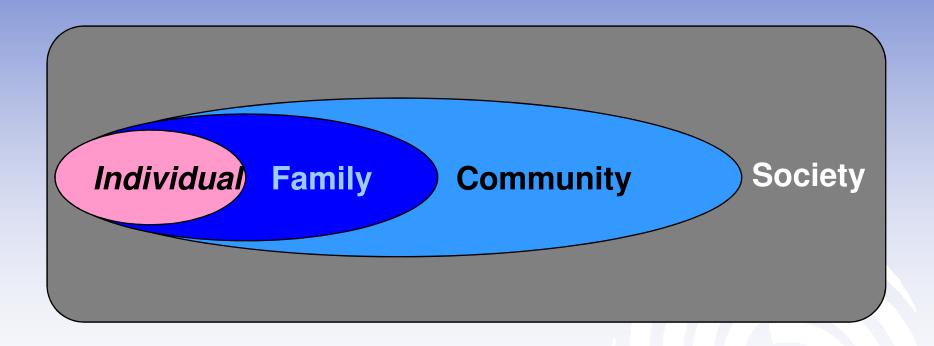






Addressing Childhood Obesity

An ecologic approach is required









Individual Level Factors

- **Prenatal factors**
 - Weight at pregnancy and weight gain
- **Early growth**
 - Rapid in early months and <2 years increases risk
- **Breast feeding reduces risk**
- Taste, attitudes, food preferences
- TV viewing (affects calorie intake)
- Enjoyment of physical activity (fine and gross motor skills, strength)
- Sleep
 - Less sleep, higher weight
- Psychology/Temperament









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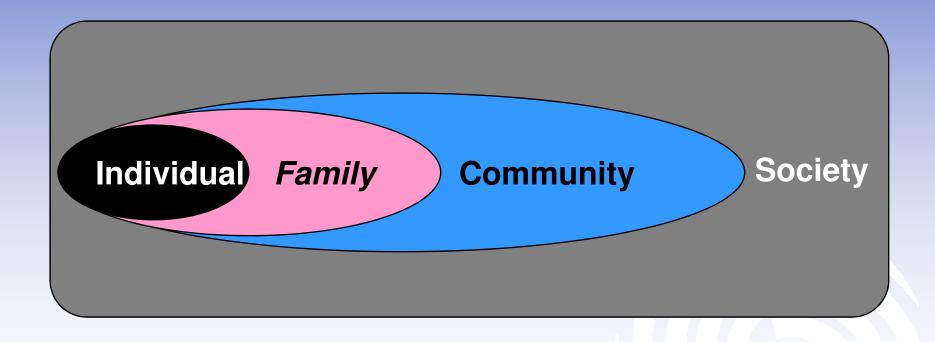






Addressing Childhood Obesity

An ecologic approach is required









Family Influences

- Income
- Food shopping patterns
- Transportation patterns
- Parental modeling of behavior
 - Eating, activity, screen time
- How limits are set
 - Best encourages child self-regulation

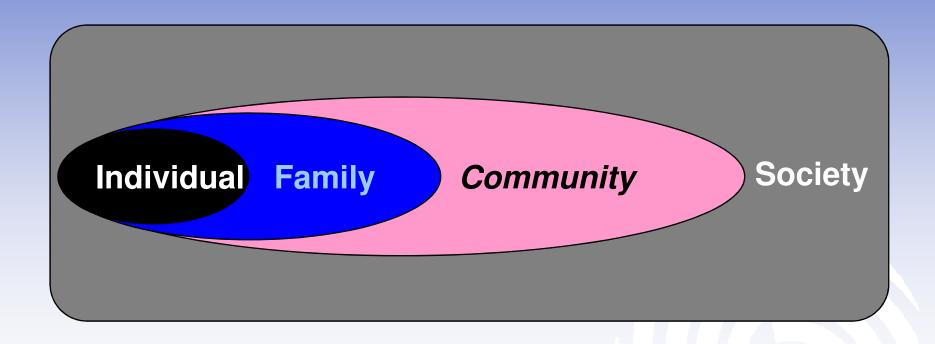






Addressing Childhood Obesity

An ecologic approach is required









Community Influences

- Access to healthy, affordable food
 - Retail
 - Institutions
 - Growing/Production
- Access to safe opportunities for physical activity
 - Park space
 - Community safety
 - Other facilities
- **Culture and Cues**
 - Community norms
 - Advertising and marketing
 - "Cues to Healthy Living"









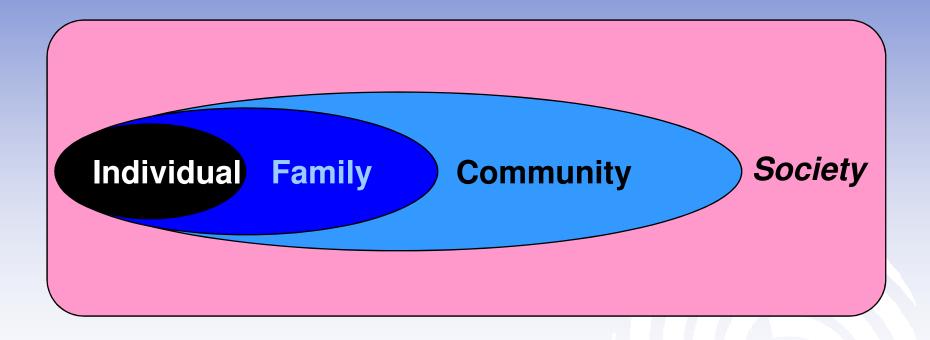






Addressing Childhood Obesity

An ecologic approach is required









Societal Influences

- Food side:
 - Corn subsidies: cheap corn oil, corn meal, corn syrup
 - Policies re: school, WIC
 - Zoning and taxation re: food outlets
 - Groceries, restaurants, farmers' markets, street vending
 - Marketing that promotes food of low nutritional value
- Activity side:
 - Sidewalks, bike lanes, traffic flow
 - Safety in parks, on streets
- Management of weight and co-morbidities:
 - What is done by health providers
 - What is covered by health insurance















Convening Stakeholders







Who is the Convener?







Identifying Local Resources

- What else is going on to target obesity/physical activity?
- Who is doing what? Is it working?
- Who could be doing something?
- Who has a stake in reducing obesity?
- Who has an opportunity to be part of the solution?
- Where are their opportunities for integrated chronic disease prevention programs?











Standard Hurdles

What's In it for Me? WIIFM

 Hasn't This Been Done Before? BTDT

 Not Giving up My Market Share







Creating "Dream Teams" to Tackle Obesity

- Key Stakeholders: CBOs, Faith-Based Institutions, Family, Caretakers. School.
 Worksite, Health System, Media, Government, Industry, Mental health providers, City Planners...who else?
- Does your team REFLECT your community?
- Selling Point to Attract Them/Rally Point to Draw Them In







Assessing Your Community's Obesity Problem

Please note that Webinar recording has a slight 30 second delay on recording at this point.

Recording will resume on it's own.

Please be patient.







Youth Risk Behavior Survey (YRBS)

- School-based survey coordinated by the CDC
- 2009 version contains 87 questions
- Conducted nationwide and in Illinois
- Tracks trends in health risk behaviors among middle & high school students including unhealthy dietary behaviors, physical inactivity and overweight







Youth Risk Behavior Survey (YRBS)

- 2009 found that 11.4% of IL high school students (excluding Chicago) were obese.
- Many counties and communities also conduct on their own
- Illinois data can be found at: <u>http://www.chdl.org/yrbs.htm</u>
- National data can be found at:

www.cdc.gov/HealthyYouth/yrbs/index.htm







Youth Risk Behavior Survey (YRBS)

For more information or assistance:

Child Health Data Lab

Jennifer Cartland, PhD, Director

Children's Memorial Research Center

Chicago, IL www.chdl.org

312-573-7772

jcartland@childrensmemorial.org







Illinois Behavioral Risk Factor Surveillance Survey (BRFSS)

- State-based program
- Illinois adults 18 years of age and older
- Telephone survey
- County specific and Illinois data is available
- http://app.idph.state.il.us/brfss/default.asp
- www.cdc.gov/brfss for data from various states







Illinois Behavioral Risk Factor Surveillance Survey (BRFSS), cont.

Benefits

- County level risk factor data
- Uses standardized procedures and questionnaire
- Uses adequate sample size
- Weighted data







Illinois Behavioral Risk Factor Surveillance Survey (BRFSS), cont.

IDPH - Illinois Center for Health Statistics 1-217-785-1064

Bruce Steiner, BRFSS Program Coordinator

(bruce.steiner@illinois.gov)

Gayle Blair, BRFSS Data Coordinator

(gayle.blair@illinois.gov)







Body Mass Index (BMI)--- School Physical Examination

- School physicals are required for grades K, 6, and 9.
- At minimum asks for the following obesity information:
 - Date of birth

- Gender

Height

- Weight
- BMI (Body Mass Index)
- blood pressure

Date of Exam

http://www.idph.state.il.us/pdf/cert_child_health05.pdf

Consortium to Lower Obesity in Chicago (CLOCC), Christine Bozlak, Advocacy Program Manager 312-573-7741









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Healthy Smile Healthy Growth

- An assessment that collects oral health screening data and the heights and weights for nearly 7000 IL 3rd graders every 5 years.
- First assessment 2003-2004
- Just completed 2nd assessment (2009) and data being analyzed







Healthy Smile Healthy Growth

- 2003/ 2004 results revealed that 39% of IL 3rd graders are overweight or obese.
- Rural IL = 36%
- Chicago = 44%
- http://www.idph.state.il.us/HealthW ellness/oralhlth/HealthySmiles.pdf
- IDPH, Division of Oral Health, at 217-785-4899















Other Data

- Physical education assessments
 - Check w/local schools for fitness testing results (Fitnessgram)
- School-based Health Clinics for WIC
 - 39 centers statewide that are staffed by Medical Professionals and perform school health exams, health education, etc.
- CDC data and statistics:

http://www.cdc.gov/obesity/data/index.html









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Environmental Scan

- Goal is to get a comprehensive "birds eye" view of your community.
- Information gathering: formal and informal.
- Gather info on barriers and strengths/supports for reducing and preventing obesity specific to YOUR community.
- Helps you to identify key opportunities for environmental change strategies.







Environmental Scan

The CDC MAPPS Framework provides some good places to start with a scan:

- Media (local advertising, promotion of healthy choices, counter advertising for unhealthy choices etc.)
- Access (healthy food availability, school/work place options for food/drink, density of fast food options, policies and practices related to access, farm to home/institutions etc.)
- Point of Purchase/Promotion (local signage for healthy vs. not healthy items, product placement and attractiveness, menu labeling)
- Price (Cost of healthy vs. unhealthy items)
- Social Support & Services (Support of breastfeeding, safe routes to school etc.















Other Areas to Consider

- Walkability of Community
 - What about in winter months?
- Access to Safe Play Areas/ Exercise Facilities
- School and Work Place Wellness Policy Issues





Asset Mapping

- Planning process that identifies and mobilizes the skills, talents, resources and other assets in your community toward a specific effort.
 - What are the strengths?
 - What is already in place and working?
 - What is growing?
 - Who is committed to this effort?
 - Who can champion the efforts?
 - Etc.







Prioritizing Efforts/Maximizing Resources







Build Locally off of Emerging Local, State and National Efforts

- State Health Improvement Plan (SHIP)
 Priority(Policy and Action)
- IPLAN Priority with many LHDs
- State Obesity Plan (objectives)
 http://www.idph.state.il.us/HealthWellness/IL Existing State Plan.pdf
- New Funding Streams: ARRA







Prioritization Processes

- Analyze Assessment Data and Information to identify cross-cutting themes, priority populations/areas, opportunities, strengths to build upon etc.
- Work with formal prioritization process to remove individual agendas taking over.
- Resources: The Public Health Memory Jogger, IPLAN APEX-PH







Planning Interventions to Target Obesity







Cross-Cutting Risk Factor Programs (no silos)

- Integrated Chronic Disease Programs
- Continuity of Care Comprehensive
- Closing the Loop
- Funding Streams can be Prohibitive to Break Outside of Mold and Silos are the Major Funding Streams Right Now







Types of Interventions

- Primary Prevention vs. Secondary
- Educational Programs (nutrition, physical activity, safe weight loss options...)
- Physical Activity Opportunities
- Local Policy
- School Policy
- Worksite Programs and Policy
- Social Marketing/ Public Awareness/Health Communication
- Environmental Change







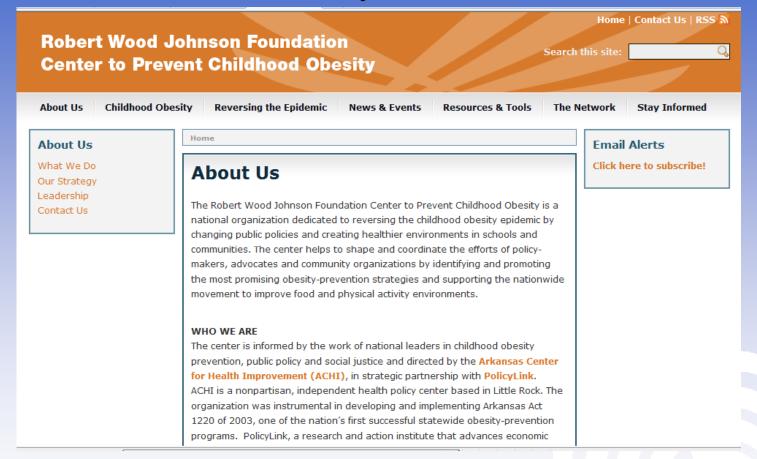
Resources for Best Practices







Robert Wood Johnson (RWJ) Foundation Center to Prevent Childhood Obesity: *Reverse Childhood Obesity*



http://www.reversechildhoodobesity.org/content/about-us







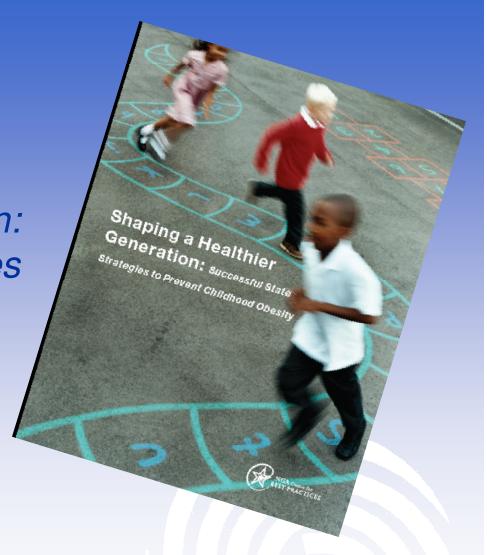








National Governors
Association (NGA):
Shaping a Healthier Nation:
Successful State Strategies
to Prevent Childhood
Obesity



http://www.nga.org/Files/pdf/0909HEALTHIERGENERATION.PDF









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Centers for Disease Control and Prevention (CDC) Recommended Community Strategies and Measures to Prevent Obesity in the Future



CDC Home | Search | Health Topics A-Z

Recommendations and Reports

July 24, 2009 / 58(RR07);1-26

Recommended Community Strategies and Measurements to Prevent Obesity in the United States

Reported by Laura Kettel Khan, PhD1 Kathleen Sobush, MS, MPH² Dana Keener, PhD3 Kenneth Goodman, MA³ Amy Lowry, MPA² Jakub Kakietek, MPH3 Susan Zaro, MPH3

¹Division of Nutrition, Physical Activity, and Obesity, National Center for Chronic Disease Prevention and Health Promotion, CDC ²CDC Foundation, Atlanta, Georgia ³ICF Macro, Atlanta, Georgia

Summary

Approximately two thirds of U.S. adults and one fifth of U.S. children are obese or overweight. During 1980--2004, obesity prevalence among U.S. adults doubled, and recent data indicate an estimated 33% of U.S. adults are overweight (body mass index [BMI] 25.0-29.9), 34% are obese (BMI≥30.0), including nearly 6% who are extremely obese (BMI≥40.0). The prevalence of being overweight among children and adolescents increased substantially during 1999--2004, and approximately 17% of U.S. children and adolescents are overweight (defined as at or above the 95% percentile of the sex-specific BMI for age growth charts). Being either obese or overweight increases the risk for many chronic diseases (e.g., heart disease, type 2 diabetes, certain

http://www.cdc.gov/mmwr/preview/mmwrhtml/rr5807a1.htm









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Institute of Medicine (IOM): Local Government Actions to Prevent Childhood Obesity

















REPORT BRIEF + SEPTEMBER 2009

Local Government Actions to PREVENT CHILDHOOD OBESITY In the Linked States, 15.3 Percent of civilization and adole ones to accordance. This sendends has explained and civil face. The shall be detected. This squarements are present to the state of the first state of the state

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CDC Guide to Community Preventative Services



The Community Guide

What works to promote health



News & Announcements

Regulating Alcohol Outlet Density Prevents Excessive Alcohol Use

One way to prevent excessive alcohol use is to regulate the number of places where alcohol may be legally sold in a given area, according to a systematic review just published by the Community Guide.



Group-based interventions for adolescents

Task Force recommendations now available for groupbased interventions to prevent and

reduce adolescent pregnancy, HIV/AIDS, and other STIs.

More »



Did You Know?

Tobacco use causes thousands of deaths each vear in the United States.

Find out about interventions to increase the number of people who stop smoking.

More »

Text size: S M L XL Email page Print page Bookmark and share

SEARCH

Get email updates

To receive email updates about The Guide to Community Preventive Services, enter your email address:

What's this?

Submit

Task Force Meetings

2010

February 17-18 June 16-17 October 20-21

2011

February 16-17 June 15-16

What is the Community Guide?

The Guide to Community Preventive Services is a free resource to help you choose programs and policies to improve health and prevent disease in your community. Systematic reviews are used to answer these questions:

- Which program and policy interventions have been proven effective?
- · Are there effective interventions that are right for my community?
- What might effective interventions cost; what is the likely return on investment?

More than 200 interventions have been reviewed and the Task Force on Community Preventive Services has issued recommendations for their use. Learn more about the guide, our systematic review methods, and the Community Guide team.

All Community Guide Topics

- · Adolescent Health
- Alcohol
- Asthma
- Birth Defects
- Cancer
- Diabetes
- · HIV/AIDS, STIs & Pregnancy
- Mental Health
- Motor Vahida

- Nutrition
- Obesity
- Oral Health
- · Physical Activity
- Social Environment
- Tobacco
- Vaccines
- Violence
- Workeita

http://www.thecommunityguide.org/index.html

















Emerging Efforts

- Illinois Local Food, Farm and Jobs: Growing the Illinois Economy which can be found online at www.foodsfarmsjobs.org
- Have Illinois Children Been Left Behind?
 Model Farm-to-School Programs
 Correlated with Illinois by Josephine Lauer
 Washuk, October 11, 2007





Cultural Implications and Adaptations

- Best Practices may need cultural and local adaptations to fit your community.
- Individual based approaches may have fidelity instruments to ensure that the essential ingredients are delivered.
- Important to know your audience and your community.

One size doesn't fit all!









Monitoring and Quality Improvement







Process Evaluation

- Provider competence
 - Currency of knowledge
 - Adequacy of technical skill
- Program adequacy
 - Structure
 - Content
 - Reach
 - Fidelity to theory/plan







Illinois QI Learning Collaborative: Preventable Risk Factors for Chronic Disease

Recorded Monthly Webinars By Content Experts and QI expert

Check IPHI's Website for materials and resources

http://iphionline.org

Check the IPLAN Website for Webinars.

http://app.idph.state.il.us/Resources/training.asp?menu=3







Evaluating Your Obesity Initiatives







Impact Evaluation

- Impact are the ultimate health objectives of an intervention.
 - Reduced BMI in the population; reduced percentages of people in high BMI categories
 - Reduction in morbidity and mortality associated with obesity
- Impact are often the longest-term and hardest to change effects we desire.







Outcome Evaluation

- Outcome are those short-term or intermediate changes that we expect to lead to impact outcomes.
 - Knowledge
 - Attitudes
 - Stages of Change
 - Behaviors







Evaluation Resources

IPHI has offered training in the following areas:

- ✓ Developing Logic Models
- ✓ Developing Outcome Measurement Plans
- ✓ The Basics of Program Evaluation

To access training materials or seek consultation, visit the IPHI website under the Center for Community Capacity Development Tab. http://iphionline.org









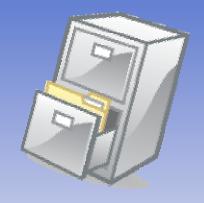








Resources



Check the IPHI Website for a list of resource to support this Webinar.

http://iphionline.org

















Feedback

- Please complete the online feedback survey following this session.
- Your input is used to plan future offerings.
- Check your email for a link to the survey or you will find it on the IPLAN website where you downloaded this Webinar.









Q and A

Join us for a live Q and A session with the presenters on December 21st from 2:30 - 3:00 PM.

Dial - 877.411.9748 Enter Passcode – 3467868#



















If you have training or technical assistance follow-up needs, contact:

Laurie Call,
Director

Center for Community Capacity Development, IPHI Laurie.Call@iphionline.org





