Diabetes Community Action Coalition (REACH 2010)



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www.uic.edu/jaddams/mlhrc/scdca c

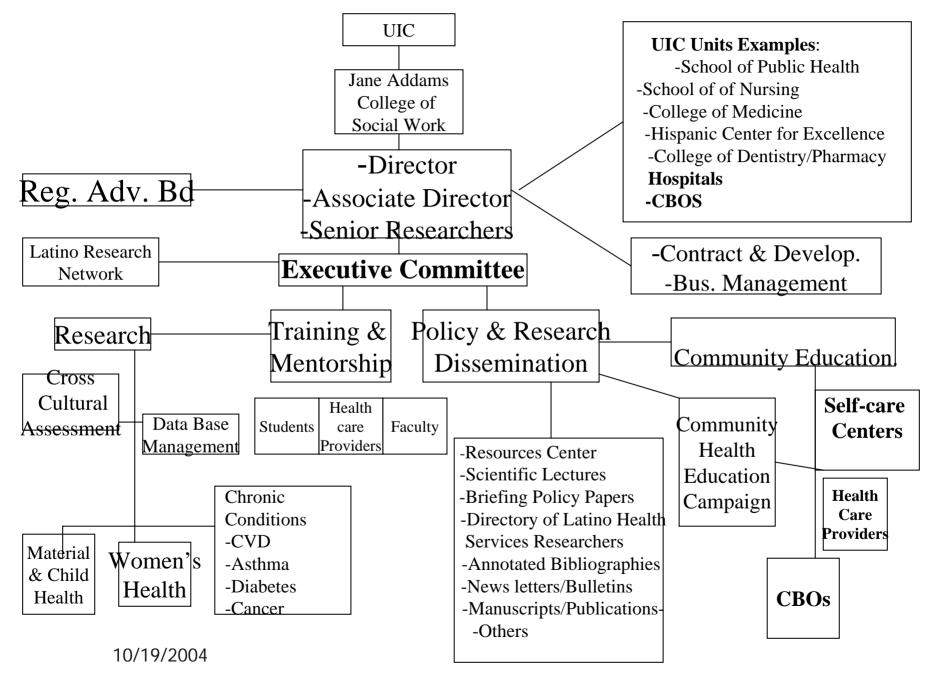
Presentation at NIH NHLB-Charting New Directions for CVD Prevention & control in Las Americas, October 14, 2004



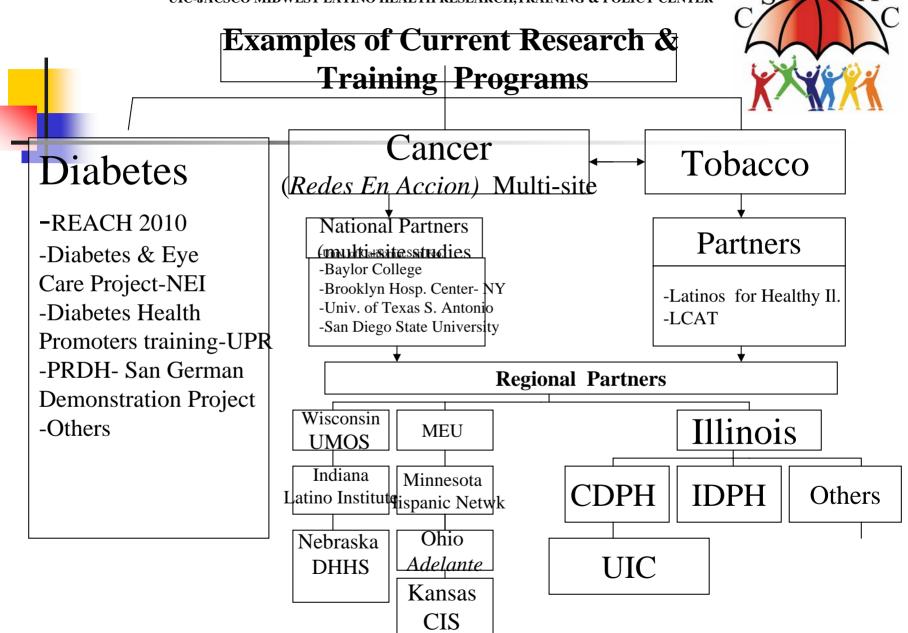
Presentation Objectives

 Describe the Chicago Southeast Diabetes Community Action Coalition (CSDCAC) as a model of integrated community health approaches

Organizational Chart



UIC-JACSCO MIDWEST LATINO HEALTH RESEARCH, TRAINING & POLICY CENTER





Racial and Ethnic Approaches to Community Health

(REACH) 2010



REACH 2010: The US DHHS Six Health priority areas

- Infant Mortality
- Breast and Cervical Cancer Cardiovascular Diseases
- Diabetes
- HIV/AIDS
- Child and/or Adult Immunizations

Source: CDC:Racial & Ethnic Approaches to Community Health (REACH 2010) Demonstration Projects

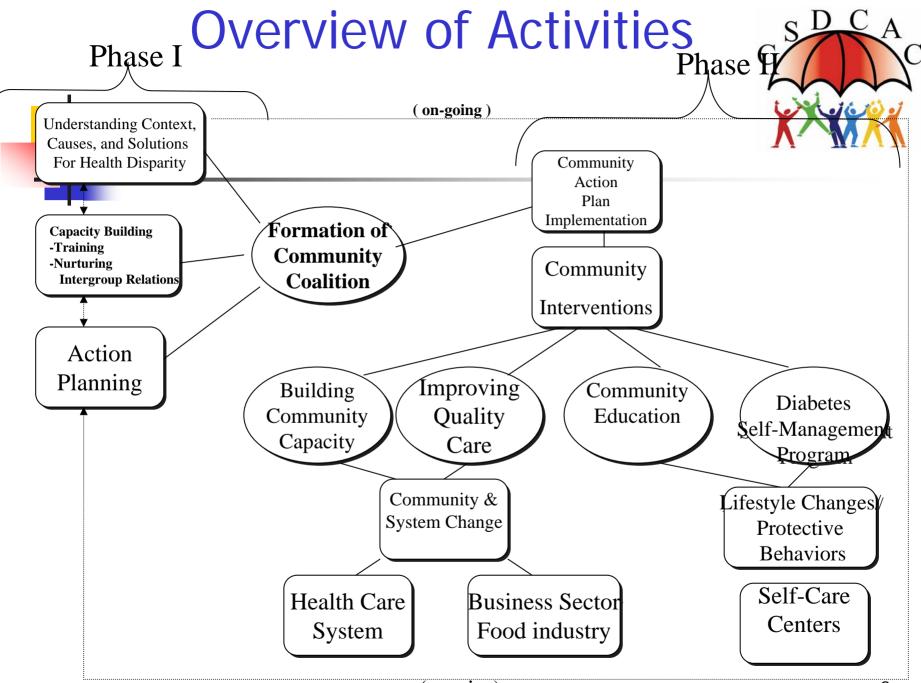


Demonstration Projects...

- Goals:
 - To eliminate disparities through:
 - Community Capacity-building
 - Change among changed-agent
 - Target Actions

REACH 2010

System change





ECOLOGICAL MODEL OF IMPACT

The Individual The Family The **Community/Neighborhood Health Care Delivery System Other Macro System**



CSDCAC Goals

- Reduce diabetes mortality, associated complications, disabilities and cost among residents.
- Delay the onset of diabetes among those at risk for developing diabetes.
- Promote the highest quality of care.
- Impact health and social services, schools and the food industry

Chicago REACH 2010 diabetes Project



Adopted the concept of empowerment as:

- a philosophy
- A process
- Outcomes
- Community engagement is key
- Uses Community Participatory Action Research and Evaluation Approaches
- Engages in infrastructure-building

Chicago REACH 2010 diabetes Project.....



- Promote strong partnerships among health and human services organizations, including blocks clubs, churches, businesses, etc
- Believe that there are more similarities than differences between racial and ethnic minorities in the U.S.
- Aimed at identifying best practices and engaging in model transfer

Chicago REACH 2010 diabetes Project....



- Train and use community health promoters in diverse roles:
 - Data collectors
 - Community organizers
 - Outreach workers
 - Diabetes educators
 - Case managers
 - Policy/advocacy work
 - Managers of the self-care centers



Key Coalition Partners

- Healthcare Consortium of
 - **IDHS-Diabetes Control** Program
 - Centro Comunitario Juan Diego
 - **Hispanic Nurses** Association
 - Advocate Trinity Hospital
 - Jackson Park Hospital
- South Shore Hospital

- We Care Dental
 - **Chicago Family Health** Center
 - IL Black Nurses Association
 - IL African American **Dietitians Association**
 - African American **Network of Churches**
 - Local Chambers of Commerce



Multiple Partnerships

City, state and federal & community-based organizations

Examples:

- US DHHS Office of Minority Health
- US DHHS Region 5 Center for Medicaid and Medicare
- FDA Office of Women's Health
- American Diabetes Association
- IL Foundation for Quality Health Care
- Others





A United Coalition!

... with over 50 members attending monthly meetings.





Coalition Meeting











Family Involvement





Coalition Activities





Quality of Care Committee



Community Education Committee







Research Methodology: Community Participatory Action Research

Participatory Research (cont)



 Involves ordinary people in the research and evaluation process
 Creates consciousness-raising among community residents

 This leads to a state of readiness, that can be enhanced through leadership development Participatory Research (cont)



Residents and providers can become effective agents of social change

It is an education process for the investigator and for the community residents



Differences

<u>Mainstream</u>

- Rigid
- No or little community participation
- Research team is in control

Action Research

- Flexible
- Considerable amount of community participation
- There is shared governance with community leaders & partners



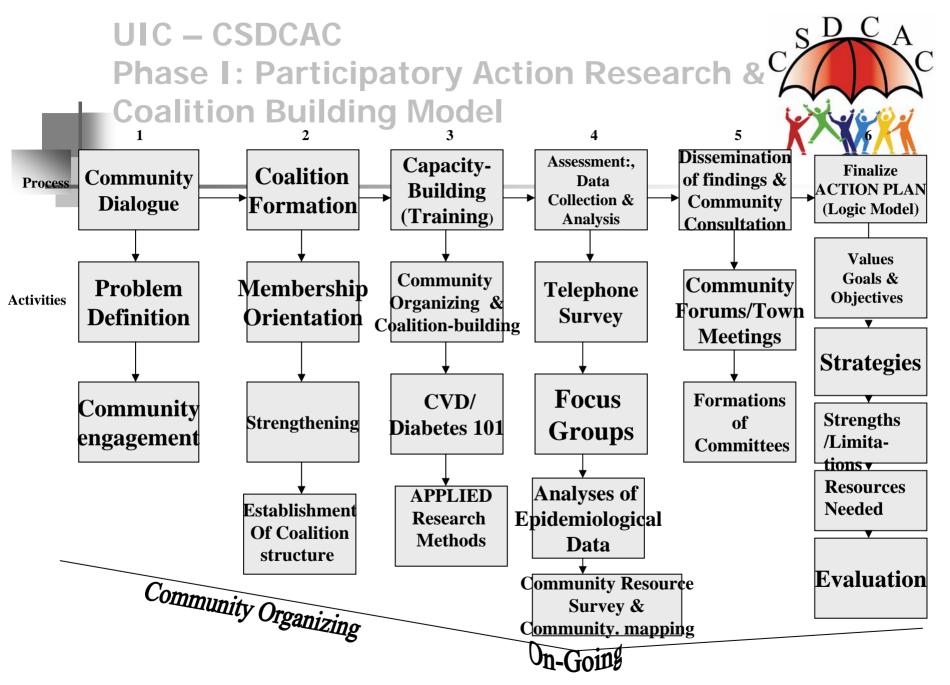
Differences

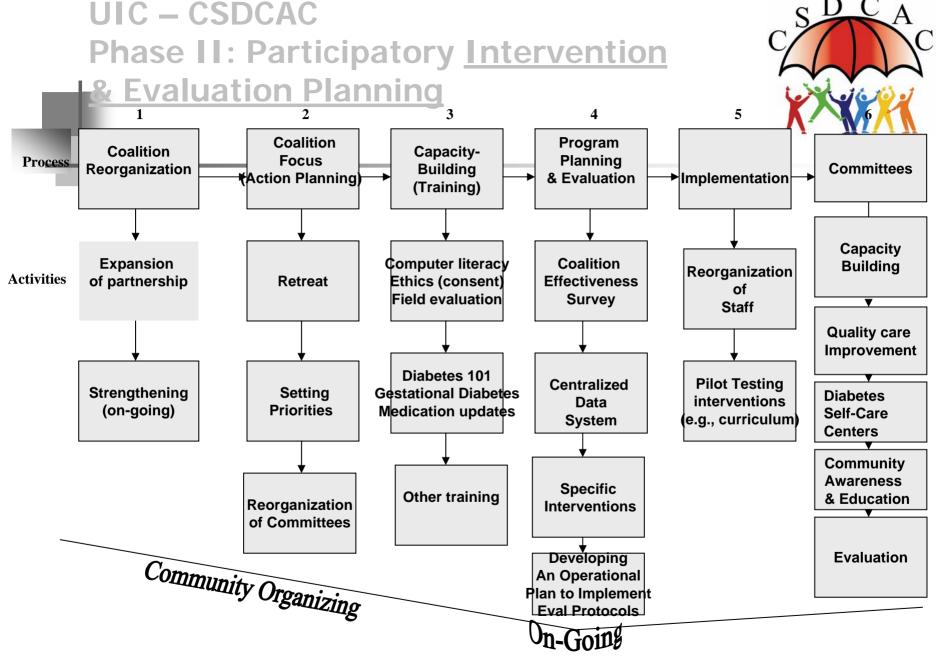
<u>Mainstream</u>

- The project ends when data is collected and analyzed
- There is no partnership or Unequal partnership with community

Action Research

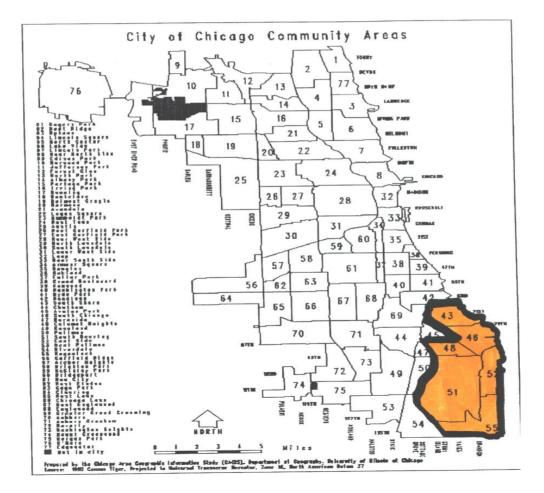
- The real action start when data is collected and analyzed
- Share financial resources Provides jobs,TA and training.













Target communities:

- South Shore
- South Chicago
- South Deering
- Calumet Heights
- Hegewish
- East Side



These communities have been experiencing...

- High unemployment
- Low income
- Low education

- Poor Health
 - × Cancer
 - Cardiovascular
 - HIV/AIDS & STDs
 - Infant mortality
 - Environmental pollution

REACH 2010: Phase I: Assessment

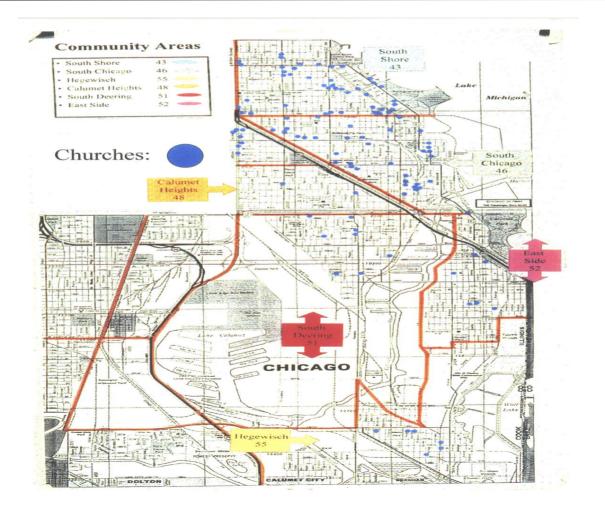


Analyses of epidemiological data

- Community Mapping
- 12 Focus Groups with:
 - Health care providers
 - People at risks for Diabetes
 - People with Diabetes
- BRFSS telephone survey based on a probability sample. N=400 (preassessment/baseline)

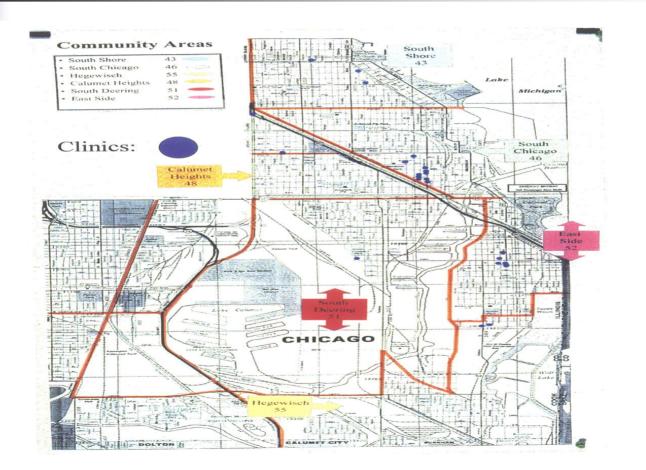
Community Mapping: Churches





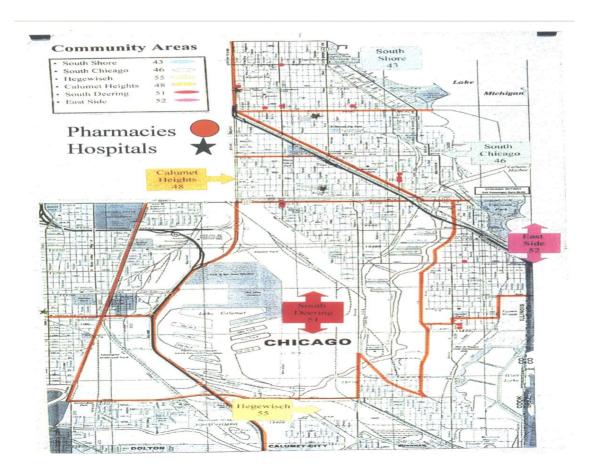
Community Mapping: Clinics





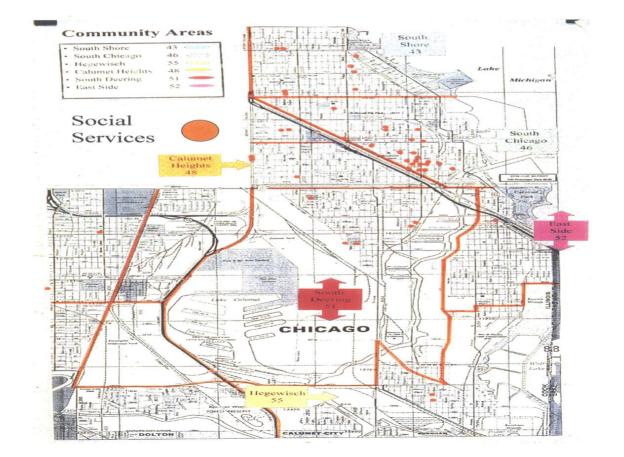
Community Mapping: Pharmacies & Hospitals





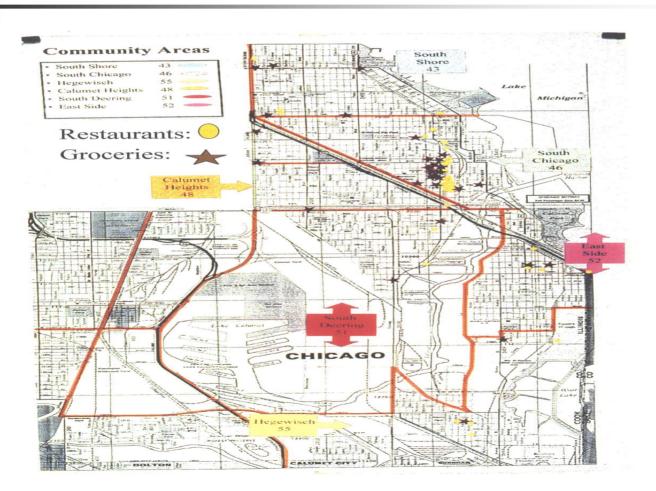
Community Mapping: Social Services





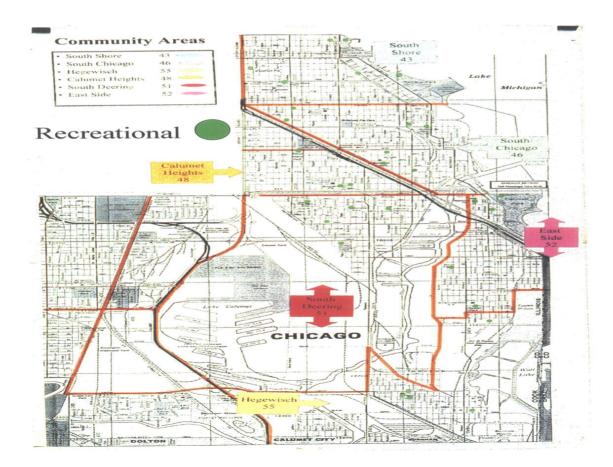
Community Mapping: Restaurants & Groceries





Community Mapping: Recreational Facilities







Disparities in:

- Diabetes
- Gestational diabetes
- Complications (eg., amputations)
- Lack of health insurance coverage
- Poverty and Food Insufficiency
- No or limited physical activity

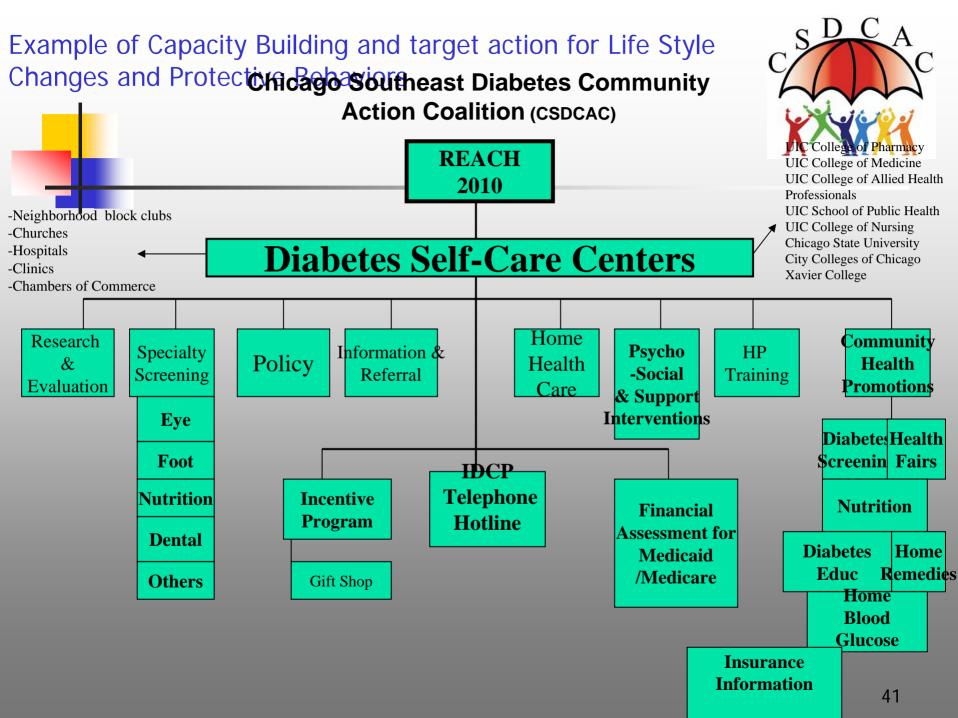
- Smoking behavior
- Overweight and obesity
- People eating out of the homes 5 days a week
- Poor quality of diabetes care
- Low diabetes knowledge
- High use of ER and hospitalization

Interventions: System Change & Change among Changed Agents



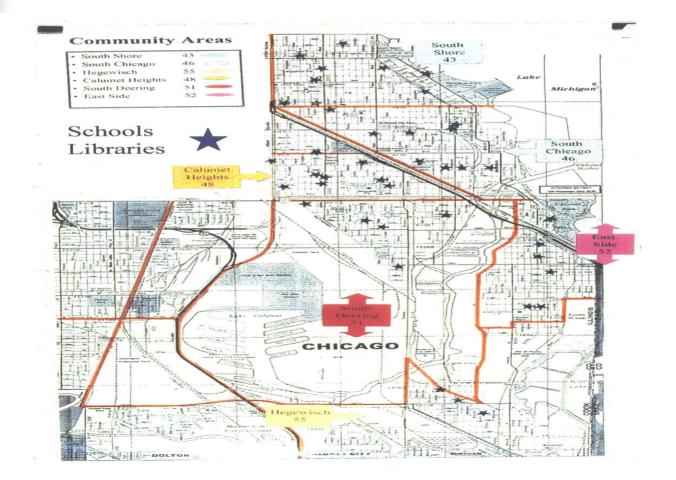
- Work with hospitals to establish Centralized Data System for pt tracking
- Linkage development (Memos of Agreement for services & referrals)
- Establishment of Diabetes care centers in Hospitals
- CME education for physicians & other prof. on diabetes clinical guidelines

- Diabetes classes in hospitals with HP
- Chambers of Commerce
 - Working with groceries to change stocking practices
 - Working with restaurants to have menus options
 - Promoting community healthy eating



Community Mapping: Schools & Libraries







Community Diabetes Self Care Center Grand Opening October 2002





Establishment of 3 Self care Centers



- They are managed by Health Promoters with support from professionals
- They are "Learning Centers"
 - Students from Multiple disciplines, volunteers and health promoters obtain diversity of training and have opportunities to help others
- They promote public health approaches to medical students
- They have diversity of programs and activities

The Self care Centers Aimed at:



- Providing community services while we document best practices
- Increasing minority interest in
 - health profession careers
 - community health research
- Follows a holistic view of health integrating the physical, mental, emotional and spiritual
 - Address clients spiritual needs and make referrals to local churches

Diabetes Self-care Centers Activities...



- Diabetes education using the Diabetes Empowerment and Education curriculum-CDC funded
- Cardiovascular program: *Dulce Corazon:* physical activity & healthy eating with a focus on Latino women, IDPH
- Hypertension and meditation: Partnership with Maharishi University-College of Medicine
- Eye Screening, II Assoc for the Prevention of Blindness

Self care Centers: Programs...



- Diabetes and Eye health program: National Eye Institute
- Cancer Awareness and Education: *Redes En Accion* Cancer Network, a partnership with Baylor College of Medicine.
- Support groups
 - For cancer
 - Diabetes
 - Textile classes

Self care Centers Activities...



- Policy work
 - Voting Registration
 - Policy activities: Supported Cook
 County Cigarette tax increase
 - Training in Policy Practice
- Interpreter services
- Emergency food



Targeted Action

Textile Workshop: Lessons Learned: When designing support groups for persons with chronic disease, the intrinsic benefits of artistic expression should not be overlooked.





Targeted Action

Aerobics classes at the East Side Community Center

- Held Mondays, Wednesdays and Fridays, 9:00-10:00 a.m.
- Participants sign consent forms.
- Jane Addams Park: 7:00 to 8:00 a.m
- Mann Park: Swimming Classes





Targeted Action.....

George Washington Elementary School

YOUNG AUTHOR REGIONAL WINNERS-- MARY WOZNIAK and SARA FLICK CORMAN were womens in the AREA 18 YOU'NG AUTHOR'S COMPETITION. They will be invited to the Area 18 Award's Presentation,

KINDERGARTEN REGISTRATION will be taken starting March S. 2003. Preschool students need a new registration TUSKLOOL MARTEN 312-409 S021 offees kad 7-44 freet PIRST PLANT, RDD absolutely free at the Gary Surjort. Call more than the Con Name Flow will need to accommand by a materior strendbart.

PERFECT ATTENDANCE FOR MARCH



Clarissi Rodriguez, 203. Cesar Pulido, 214 and Attendance Womers They each selected a prize from the PTA motivation box

Kniolos of Columbus Free Throw Champion

ship has several GWLS entries, Lucy Cazates, Alex-

/ocevic, Jesse Chavez [hack] and Alex Villa,

Leonet Villa are shown with their certificates

Page 2



BOOK REPORT WINNERS

Book Report Winners for March were Daniel Kerber, toom 16 Michelle Campos, 307, were our March Perfect Cody Oskilance, room 107, and fodi Krimpotich, room 301, 1b sy are shown with the prizes they selected from the PTA Prize Bas fou need to b, here and read to be successful in school and our PTA supports both achievement



This Parent Group has been meeting regularly for their Nutrition Classes. We have other parent classes seleduled on 4 21-04 come on out at 9:30

and the second second

Picture from nutrition class in school newsletter



Participants at Sept. 26th Ewing Community Center Health Fair

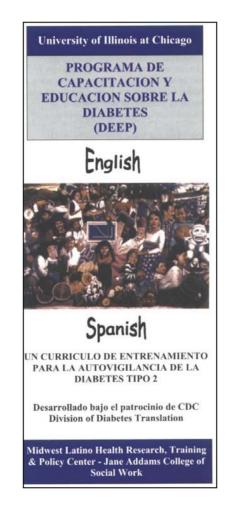
Community Awareness and Education



- Car Sticker: We are fighting Diabetes, How about you?
- Stickers for community agencies and businesses
 - This is a recognized Friendly Diabetes Establishment by the Chicago Southeast Diabetes Community Action Coalition

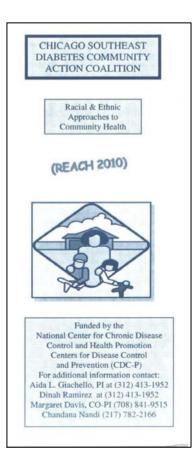


Diabetes Training Brochure





CSDCAC Brochure





Bilingual Coalition Newsletter

Winter 2002

Chicago Southeast Diabetes Community Action Coalition

Coalition Members

Mi-dweet Laters Health Research, Training & Policy Center Jackson Park Hospital South Shoes Commandy Diagon. South Discago Chamber of Commercia Transp Hospital Jackson Park Hospital Midward Hagarris Health Coalition LORUM Canino Contantinto Juan Diego Chicago Family Health Centor Health Care Consortant of Binos Gwenn Storm & According University of Hinten Birton Cyclinstates U.S. Department of Healthcard Human Services Registereds Community Committee USDH95/Office of Minority Health Weis Guestelupe Service General Bis Care Dental-South Regain Chicago Park Daaran Sauth Datago CBPH Pacity Birtum Dadastes Control Program A M Overton Pediatric Germanic Millipsie Constantity Germ Telles Medical Conten All start Americana Danasa: Accession Chicago Chapter of the Meteral Black

Committees

Media and Public Commanization Guality of Case Public Etheratory Self Management

Staff

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Diabetes Update



A CDC REACH 2010 Initiative UIC Midwest Latino Health Research, Training and Policy Center

Edwina Shields' Booklet

Rev. Edwina Shields Founder and Director of "We Care Dental Services"

The disparities in health of African American and Latinos continue to climb despite tons of information circulated thru out our communities. When asked what is diabetes, youth still give a hlank lock and say I do not know. When asked what is blood sugar, these sume youth get a spark of life in their eyes and add: something that causes your leg to be cut off or something that lappens when you get too much candy. How can we get the right information to our youth, young adults and haby boomers in a manner that they can understand, retain and implement. I know that one of the answers is comic strips. I remember Popeye as one of my favorite comic strips, in fact my entire circle of friends love spinach because we wanted to be strong like Popeye. When I asked my grandchildren today what foods make you strong, they say spinach.

Lenow comics are a non-threatening way to introduce life-changing skills. The pictures are something that can be remembered for a lifetime. I can still remember what Little Lulu looked like even though I have not seen her for over 40 years.

We are going to reawaken the original form of health education thru the use of comics and inspire families in our communities to participate in the drawing, scrip writing and distribution. We must use non-traditional ways to educate, motivate and inspire our people to take charge of their health. We are racing against time and we must win this battle against preventable disease and its complications because we have a lot to loose.



Posters- English

You are at risk for diabetes if you...

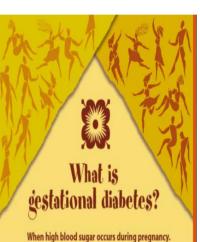
Are over 45 years old Are Latino or African-American @Weighed more than 9 pounds when you were born Have a relative with diabetes Are overweight @ Get little or no exercise Mad gestational diabetes A Have given birth to a baby weighing more than 9 pounds

REACH out and call 1-800-323-4769

Y'U

Visit one of our three **Diabetes Self Care Centers** located on Chicago's Southeast Side For more informatio call 312-413-1952,





Mother/baby risks from gestational diabetes are: Greater risk of fetal death and still-born babies. Greater likelihood of birth defects. @ Baby can be born too large (over 9 pounds).

Mother can develop high blood pressure. @ Early labor.

@ Higher rate of Cesarean section.

REACH out and call 1-800-323-4769

XXXX

Visit one of our three **Diabetes Self Care Centers** located on Chicago's Southeast Gde For more information call 312-413-1952.



What is diabetes? Diabetes keeps your Types of diabetes blood glucose (sugar) Type 1: Your body does high not produce any insulin @ This may be because the @ Type 2: Your body does body does not produce not produce enough or properly use insulin insulin (insulin deficiency) A Your body needs insulin or it can't use the insulin to convert glucose into it produces (insulin energy. resistance) Glucose provides energy
 Gestational diabetes: for daily life Occurs during pregnancy REACH out and call 1-800-323-4769 Visit one of our three

XXXIII



Posters- English









Posters- Spanish









Posters- Spanish

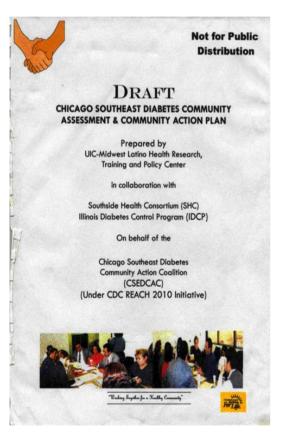






Dissemination of Reports







Funded by the Centers For Disease Control and Prevention - grant # U50/CCU 5173880 JANUARY 2002



Press Conference











Interview with United Press International

- NBC National Network spent a day in our office/site learning about the diabetes program
- Frequent local newspaper coverage
- Partnership with IDPH for diabetes cable program









Publication Submissions

Journal of Public Health Reports

Reducing Diabetes Health Disparities through Community Based Participatory Action Research: The Chicago Southeast Diabetes Community Action Coalition



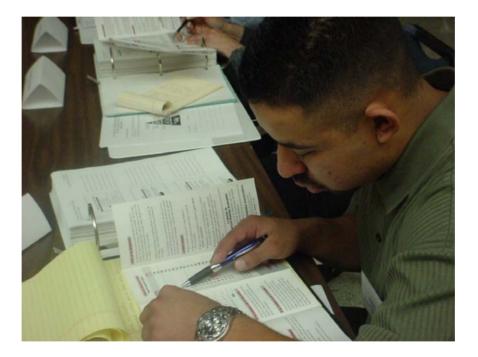
Midwest Latino Health, Research, Training, and Policy Center



University of Illinois at Chicago Jane Addams College of Social Work 1640 W. Roosevelt, Suite 636 Chicago, IL 60608 Tel: (312)413-1952 Fax: (312)996-3212 Evaluation: Diabetes Empowerment Education Program (DEEP)



- Pre-assessment, post—assessment and 6 months follow-up (1 year)
- Measures, clinical outcomes, behavioral and quality of life
- Relative Survey (to validate patients selfreporting)
- Cost effectiveness of using health promoters and impact on reducing ER and hospitalization









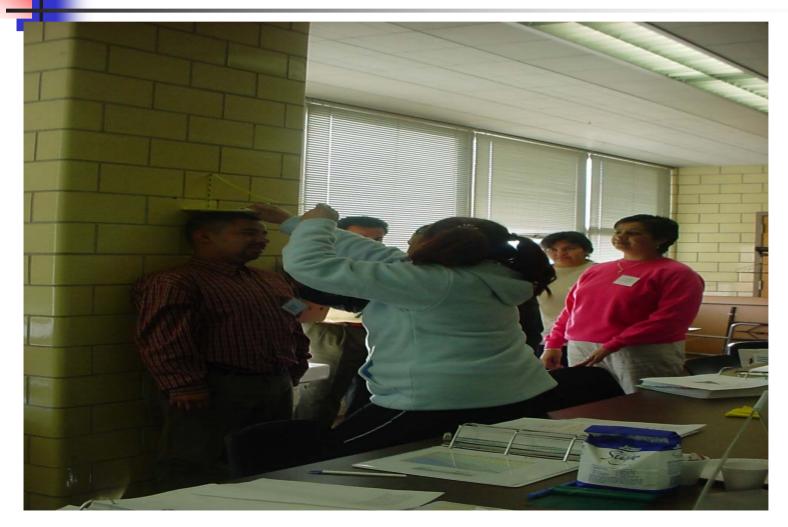








DEEP TRAINING





CSDCAC DEEP classes





















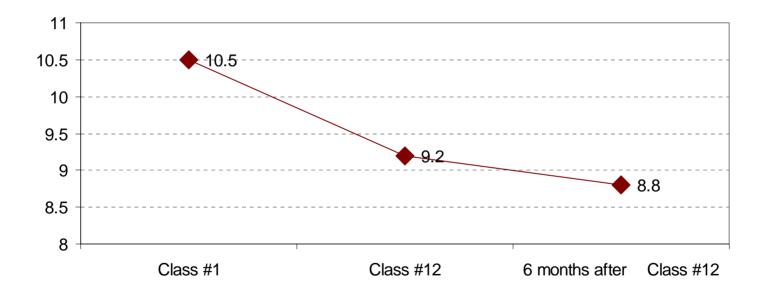
Clinical findings, 2004

Parameters	Pre-Test	Post-Test
	N=80	N=57
Fasting G L	193.4 [80]	150 [57]
		P=0.005
Weight	172.6 [75]	171.9 [69]
		P=0.136
A1c	10.5 [56]	9.2 [36]
		P=.096
Cholesterol	201.4 [53]	187.6 [25]
		P=0.031

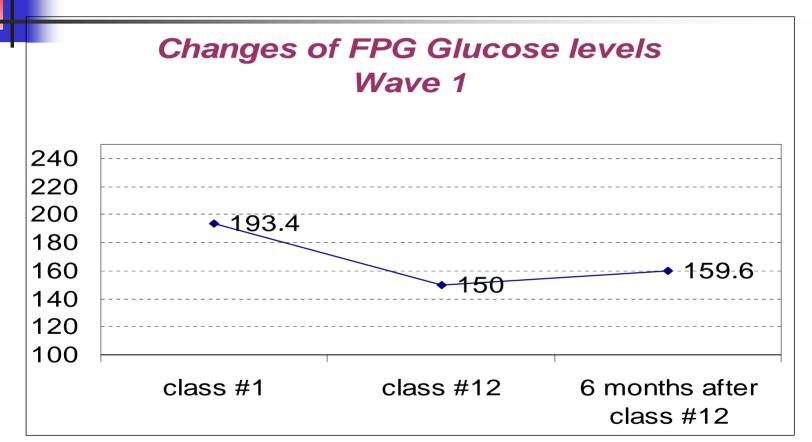


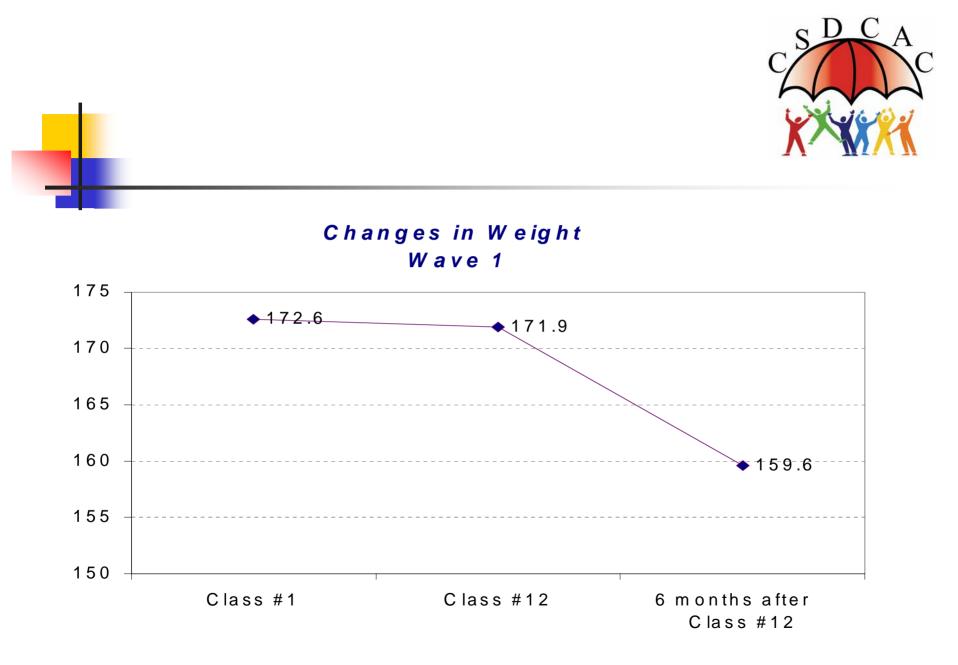


Changes in HbA1c Level Wave 1











Coalition activities: Past year

- Health fairs: 11,500
- Other outreach activities: 13,263
- Participants of support groups: 876
- Exercise/walk-in clubs, etc: 1,596
- Case-management: 1,540
- Training participants: 2741
- Referrals: 1,500



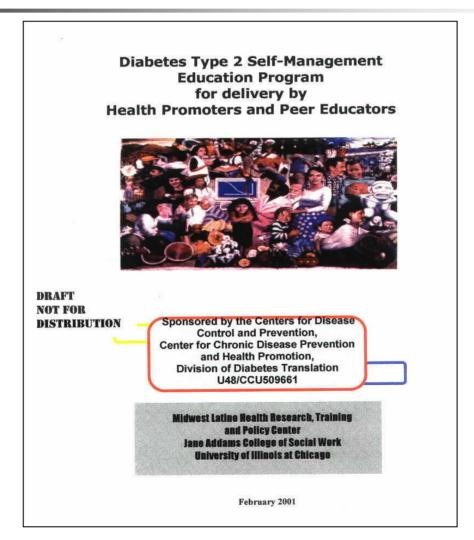


- 90% perceived coalition work as very effective
- 4% said it is fair
- 6% No comments.

Other Accomplishments...



Diabetes Curriculum Update





Accomplishments

- Two local hospitals have established ADA-recognized Diabetes Education Center
- Partnership with the Chambers of Commerce is beginning to impact the food industries (e.g., restaurants and grocery stores)



Lessons learned

- Partnerships with key Community-based organizations that have credibility and trust, and who get things done
- Incentives are important for key partners
- Dealing with group dynamics first (trust, cohesiveness, decision-making framework)
- Empowering communities through information, skill-building and ownership of the process



Lessons learned...

Provision of services (e.g., flu shots, diabetes screening, physical activities are concrete services that allow the coalition members to see immediate benefits for themselves and their communities



Challenges

- Communication System when you have diversity of members (from homeless to physicians and hospital administration)
- Race relations (developing constant opportunities for people to know each other and to work with each on common goals and tasks
- Participatory processes slow down the accomplishments of tasks, combined with university bureaucratic system



Acknowledgements

- CDC Mr. Levator Brown,
 - Project Officer
- Coalition Partners
- Community Residents
- Center Staff
- Students

