#### Current Public Health Research **Abstracts**

EVALUATION OF PREDICITIVE VALUE OF TRANSFERRIN RECEPTOR LEVELS IN THE EARLY IDENTIFICATION OF IRON DEFICIENCY IN

Rebecca Black, MS

This study evaluated growth parameters, dietary intake, and iron status indicators in nine exclusively breastfed (plus infant cereal) and seven exclusively formula fed (plus infant cereal) infants at six months of age to investigate the sensitivity of transferrin receptor in detecting early iron deficiency. A negative correlation of protein intake per kg of body weight with transferrin receptor levels (p=0.005) was found in the breastfed group. The transferrin receptor was negatively correlated with ferritin in the breastfed group (p=0.034). Erythrocyte protoporphyrin levels were positively correlated with length gain per day in the formula fed group (p=0.031). The amount of cereal fed was positively correlated with ferritin (p=0.033), and hemoglobin (p=0.047) in the breastfed group. The formula fed infants took a higher proportion of total calories (p<0.001) and iron (p<0.001) from cereal than did the breastfed infants. Transferrin receptor was helpful in identifying early iron depletion in 33 of the breastfed group.

REDEFINING CRITERIA FOR SUCCESS WHEN EVALUATING LONG-TERM COMPLUNCE IN INTERVENTIONS INVOLVING WEIGHT LOSS, DIET, AND EXERCISE.

B.F. DiGlosochino, R.G. Sargent, H.J. Rankin, J.R. Hussay, P.A. Sharpe, P.M. Mille

compliance with discouraging results. While weight loss infervention programs have focused on weight loss infervention programs have focused on weight loss in improved diet and exercise adherence carry important independent risk reduction quarses. Improved diet and exercise achieves 25-day residential weight loss infervention program were determined in 158 man and women 1-5 years post-treatment. While only 16.0% and 19.7% independent and formalist respectively were able to maintain a 10% weight loss at follow-up (based to program early weight), 87% reported to engage in regular walking, of which 76% and so the more days part week at a high intensity (77.6%) for an everage duration of 45 movies as not remained to the standard of the standard programs and the standard servings per day. The conclusion is that while weight loss in the standard servings per day the standard servings and behaviors. Although conventional evaluation protocol regarding the effectiveness of the literature of successing fusions of the intervention protocol regarding fusions of the literature of success will enable us to losinthy propre-that stimulate and help maintain changes in exercise habits and distary behaviors provong protective effects of their own.

and information about skin cancer prevention and detection. The farmer could also pick up a brochure which had the same information. As a result of these displays, over 3000 brochures were distributed, 10 classes on skin cancer prevention have been taught, a statewide 4-H education program was developed. stores. The project is geared toward Skin Cancer Prevention in the farming community. The goal of the project was to educate the target audience in a creative and innovative way. The method used made the health message readily available. The displays were set up in local feed and seed stores where farmers go to buy farm supplies. The displays had pictures of different types of skin cancer and information about skin cancer prevention and detection. The farmer could Because of the difficulty in reaching farming populations with health messages, the Cancer Control Section/ University of Georgia Grant - Georgia Harvesting Healthy Habits has taken Public Health Education a step beyond. The project developed Skin Cancer Prevention Displays with free pamphlets available for retail HEATH EDUCATION. <u>Dawn Lewis and Karyn O. Jones</u>. Farmers are undernisured and do not seek preventative health services. Most use over the and a National Company is getting ready to develop these displays for national counter medications to treat any illness rather than seeking medical services RETAIL STORES PROVIDE A SUCCESSFUL AVENUE FOR PUBLIC

### SYRINGE DISPOSAL BEHAVIORS OF INJECTION DRUG USERS

Kristen, W. Sprinser, MPH, Claire Sterk, PhD, T. Stephen Jones, MD, Kathy Miner, PhD, MPH, CHES Jenvifer Taussis, MPH, CHES

Background: Springer disearched by injection drug users (IDUs) may place community members, refers workers and other IDUs at the for spary or indection with HIV, HBV and HCV. However, few communications of the printing disporal programs designed for IDUs.

Objectives: 1) To examine current syringe disporal behaviors of IDUs in one Atlanta, Georgia communications of the printing disporal behaviors of IDUs in one Atlanta, Georgia communications of the printing disporal behaviors of IDUs in one Atlanta.

Objectives: 1) To examine current syringe disposal behaviors of IDUs in one Atlanta, Georgia community 1) To assess factors influencing where, how and when IDUs dispose used syringes. 1) To invertigate IPCs: artitudes toward three specific syringe disposal interventions: a one-way drop box, a syringe exchange program (SEP) and home collection.

Methodology: One hour, semi-excuctured interviews were conducted with 26 IDUs in Atlanta. Deal making was guided by Green and Krueter's PRECEDE model and data were coded using The Ethnograph

qualitative software package.

Results: Most IDUs reported taking some precautions when disposing pyringes, including breaking in the trash or sewer. The most omnedle, containing the syringe in a soda can and disposing the syringe in the trash or sewer. The most common reason cited for disposing with precautions was to protect children and other IDUs. Fear of street for syringe possession was a common factor motivating IDUs to dispose syringes indiscriminately. A syringe criticating program was the preferred syringe disposal intervention because IDUs could obtain a new syringe for each used syringe.

6TH GRADE HEPATITIS B PROJECT. Sandy Blair, RN.

This one year project involved our twelve county district office nursing staff working with Smith KlineBeecham, who supplied the vaccine, and the Occupational Medical Center from Miami, Florida. Sixth graders were selected to be immunized as the specific population before they became sexually active. Statistics have shown that Hepatitis B has been on the rise in non-symptomatic carriers and its is the only vaccine to prevent a cancer causing disease. Boards of Education had to be convinced of the importance of the vaccine, yet we were still unable to get approval from all counties. Communication with the front line people in the schools were difficult, yet this project sparked enough interest that several teacher went to the Health Departments to receive this vaccine. Speaking at PTA and PTO meeting raised positive concerns from parents which resulted in their other children being vaccinated. Many good things happened as a result of this project and over four thousand of our now seventh graders are immunized against Hepatitis B.

CHARACTERISTICS OF YOUNG WOMEN IN GEORGIA WHO ARE CHRONIC OR BINGE DRINKERS. Mary P. Mathit. Roger Rochatt. It provide limited information about women of reproductive age at risk of chronic or hinge drinkers because most surveys contin small numbers of women whose use of alcohol is excessive, most do not cover the entire age group, and few include questions about the consequences of chronic or hinge drinkers because most surveys contin small numbers of women whose use of alcohol is excessive, most do not cover the entire age group, and few include questions about the consequences of chronic or hinge use. Methodas During 1995 the Georgia Division of Public Health, in collaboration with CDC, conducted a statewide telephone survey on women is health issues, including alcohol use and its consequences. A probability sample of 3,130 women ages 15.44 years (73% response rate) was alcoted by Random Djeit Dialing Blwariate analysis determined correlates of use and consequences. Results: Approximately 15% of women surveyed reported that, on average, they had 1+ drinks' day or that, at least once during the past year, they had 5+ drinks in a row. This pattern of use was assected with heeting white, theing previously or never married, having smoked within the past year, and having attended or completed chilege. Cirronic or binge drinking was negatively related to number of living children and to the frequency with which the woman attended church. Further, for this subgroup of women, alcohol use had negative convequences. Approximately 44% indicated that they had sometimes felt they should drink less, 22% reported that at least once they had had a drink less, 22% reported that at least once they had had a drink first thing in the morning to prevent being sick. Conclusions: Since a minority of women of reproductive age (15%) megate the consequences of excessive/galar use of alcohol, and productive age (15%) megate in the drinks to determine use on that appropriate interventions can be made.

Peo o essionalism Shird

May 7-9, , 1997

# Welcome

Annual Meeting
Of the
Georgia Public Health
Association

"Public Health: Linking People, Pride, and Professionalism"

May 7-9, 1997 Jekyll Island, Georgia

takes participants through the steps the hospital took to produce the new program for dual disordered patients. A thorough literature review will be presented representing the most up-to-date programming for this difficult population, and the special problem areas this work entails. Finally, a description of the current program, a profile of the patients, and creative innovations in treatment are presented. In all, it has been a journey for both the hospital and the patients from coercion to self-efficacy.

### Current Public Health Research

Beachside Ballroom - Room 12

Presider: Bruce Leonard, MPH, CHES

The purpose of this workshop is for presenters to share their research or program data.

- 8:30 Evaluation of Predictive Value of Transfernin Receptor Levels in the Early Identification of Iron Deficiency in Infants Rebecca Black, MS
- 8:45 Redefining Criteria for Success When Evaluating Long-term Compliance in Interventions Involving Weight Loss, Diet, and Exercise Rita DiGioacchio, PhD, MPH, CHES
- 9:00 Retail Stores Provide a Successful Avenue for Public Health Education Dawn Lewis, Karyn Jones
- 9:15 Syringe Disposal Behaviors of Injection Drug Users

  Kristen Springer, MPH, Claire Sterk, PhD, Stephen Jones, MD, Kathy Miner, PhD, MPH, CHES, Jennifer Taussig, MPH, CHES
- 9:30 6th Grade Hepatitis B Project Sandy Blair, RN
- 9:45 Characteristics of Young Women in Georgia Who Are Chronic or Binge Drinkers

  Mary Mathis, PhD, MPH, Roger Rochat, Florina Serbanescu, Carol Hadley

- 10:00 Public Health Specialists Need to Educate Public on Foot Care Barbara McCarthy, MHS
- 10:15 CDC Director's Physical Activity
  Challenge
  Bruce Leonard, MPH, CHES and Sharon
  Hammond

## Disability Evaluation under Social Security

Beachside Hall - Room 13

Presenter. Bruce Johnston, Professional Relations Manager, Disability Adjudication Section

work due to a disability should they every find themselves unable to could also be valuable for them personally could help them in dealing with their clients and as the decision making process. This knowledge to know more about the eligibility criteria as well DAS about their patients/clients. They might like members already receive written request from disability adjudication process. Many GPHA the role various health professionals play in the ees about disability program requirements and opportunity to address interested GPHA conferdecision on disability claims. DAS would like the funded by SSA to make the medical eligibility the arm of Georgia State Government which is plus. Disability Adjudication Services (DAS), is recipients range in age from birth to 65 years mated 10 million recipients in 1995. These these two programs constitute the fourth largest category of entitlement spending with an estito the Congressional Research Service (1/1/96) Security Income Disability program). According Social Security administers two disability pro-Insurance program) and Title XVI (Supplementa grams: Title II (regular Social Security Disability