Héalth & Exercise

MEDICAL BRIEFS

Kids and asthma

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Kids and asthma Children with asthma and their fami-lies may attend an informational health fair 3-8 p.m. Thuraday, May 3, at the Tiger Club at Comerica Park in down-the stadium will be the setting for a fan, interactive and informational evening during which kida will learn the ABCs of schma management. - Kids need to know that they can live a practice a management plan," said Dr. Rick Vinuya, chairman of the Detroit Asthma Coalition. "Asthma patients and heir families need to know the factors hat cantribute to an asthma episode. Triggers can include severe allergies, res-prizatory infections, vigorous exercise, expoure to sudden temperature change. Tiggrets can include severe allergies, res-prizatory infections, vigorous exercise, expoure to sudden temperature change. Tiggrets can include severe allergies, res-tinger the ninonal average, with African Mend Indona three time more likely of all formational average, with African Mend Indona the Caucasian chil-torn. Healtheare representatives from some

dren. Healthcare representatives from some Healthcare representatives from some of the 80 organizations that comprise the Detroit Asthma Coalition will be on hand to answer questions and discuss new medications and treatment options. A buffet meal will be served 4-6 p.m. Call the American Lung Association of Michigan at (800) LUNG-USA or visit www. alam. org

Sleep study

Siecp Study The Siecp Disorders and Research Center at Henry Ford Hospital is looking for people to participate in one of several studies. All participants must be in good health and will undergo a free physical examination. Prospective participants should be between the ages of 18 and 64. Eligible participants will receive finan-cial compensation. Call (313) 916-5185.

Weight loss

Weight loss Since the program's inception in November, 38 participants in the weight management program offered at St. Mary Mercy Hospital in Livonin have shed a total of 67.7. pounds. Two more 13 week series of weight management classes begin April 26 and May 7. The program is a partnership between the hospital and Health Management Pesanores. Resources.

Participants must attend a free orien-Tation person at the hospital noon to 1 p.m. Wednesday, April 25, in the Com-munity Outreach Conference Room. The HMR Weight Management Pro-gram includes the option of a medically

gram includes the option of a medically supervised program, or how medically supervised program, "Healthy Solutions, depending upon the amount of weight loss desired. Both options use nutrition-ally complete weight-loss foods (shakes, bars and entrées). Call (734) 655-1783 to register.

Stress management

Stress can be a good thing. Yet, crisis-induced events – injuries, illness or loss of a job or loved one – takk their toll. Whether onset is sudden or gradual, too nuch stress may contribute to a decline in physical, mental and emotional health

in physical, mental and emotorial health. To aid adults facing stress-related problems, St. Mary Mercy Hospital will offer a three-week course titled "Stressed for Success" 6:30-3:30 p.m. Wednesdays, May 9, 16 and 23 in the pavilion. Various coping skills, relaxation techniques, com-munications skills and the use of humor will be explored. There is a fee. To register, call (734) 655-5840 or (800) 494-1650 (out-of-area callers only).





A risk to respiratory health

Seattle, Wash. - Indoor pollution poses a high Friek to respiratory health as people spend more in abopping malls, theaters, restaurants, vehicles, and other recreational facilities, according to speak-ers at a recent international conference on the envir-ronment sponsored by the American College of Allergy, Asthma and Immunology in Seattle. "Studies in both the U.S. and Europe indicate that people spend over 90 percent of their time indoors, flay encounter a broad range of air pollutants trav-eling through a succession of microenvironments in the course of their daily activities," saild program chair Dr. Emil J. Bardana, Jr., ACAAI president-elect.

chair Dr. Emil J. Bardana, Jr., ACAAI president-elect. Potential health consequences depend entirely on the number and concentrations of pollution sources, as well as on the duration of exposure. The quality of indoor air depends on the quality of outdoor air, the strength and nature of indoor emission sources, and regional climatic conditions. "In general, indoor air pollution can be divided into egnets that can induce respiratory disease immunologically (IgE-mediated response), and those that exert an adverse offect on the upper and lower respiratory tract by a variety of non-immunological mechanisms," said Bardana. Indoor exposure include: **B** *liological contaminonts and their by-products*, including microbial cells such as bacteria and virus-es, in addition to fungal spores, protozoans, algae, animal dander and excreta, and insect excreta and fragments.



Household dust

■ Chemical exposures, such as combustion sources that emit a variety of inorganic gases, hydrocarbon gases and impurities; and volatile ganic compounds

Pollutants - such as carbon monoxide, nitrogen Deblutants - such as carbon monoxide, nitrogen dioxide and formaldehyde - cause non-immunologic reactions. Sources include tobacco smoke, gas cok-ing stoves and pilot light, unvented kerosene space beaters, wood and coal stoves and fireplaces. Occupant activities, including tobacco smoke, perfume, cosmetics, pesticides, room deodorizers. The major sources of indoor allergene responsible for IgE-mediated respiratory illness in the United States are house dust mites, domestic peta (cats and dogs), cockroaches, fungi and other microorganisms.

Tiny pests

House dust mites are small, sightless, eight-legged arachnids related to ticks, spiders and scabies mites that live in the dust which accumulates in bedding, carpets, fabrics and soft furnishings. The presence of sensitization to dust mite is strongly associated with



Dust Mite

Dust Mite increased airway responsiveness and asthma. "For remediation, it is important to remember that mites infest fabrics, and that they require constant humidity and warm temperatures," said Dr. Peyton A. Eggleston, Johns Hopkins University, Baltimore, Md. "The allergens associated with mites are found in large particles that require vigorous disturbance to become airborne and do not remain airborne for long."

long." His recommendations for environmental control measures for dust mites are:
First line: use of mattress and pillow covers;
wash bedding; keep stuffed animals out of bed; avoid

extra humidity. Second line: remove carpets and upholstered

■ Second line: remove carpets and upholstered formiture. ■ Third line: use of acaracides (pesticide), tannic acid and dehumidifiers. The importance of mattress and pillow encasings cannot be overomphasized, and if they are appropri-ately used they will reduce mite allorgen levels by two orders of rangitude. Washing allergen form bedding with water is effective. Dry cleaning will kill mites but is less effective in removing allergens at the same time," said Eggleston. g will kill

Animal allergens

Animal altergens are small, molecular weight pro-teins found in animal socretions – saliva, sebum, perianal glands and urine – that are carried on small particles and can be airborne for many hours. They are transported by becoming attached to cloth-ing, shoes and hair. Significant concentrations of dog and cat allergens can be detected in homes without a ret

The cat mergens can be bettern "The only proven method of reducing animal aller-gen concentration indoors is to remove the animal, and even then, it requires six months or more to clean the allergen from the home. Measures short of this have not proven to reduce either settled dust or airborne allergen lovels appreciably," said Eggle-tion

As a second line of control, he recommends wash-ing the pet, establishing a "safe room" with no pet access, no carpeting; use of a room air filter, and use of protein denaturants, such as tannic acid. Cockroach allergens introduced to the environ-ment through feces and saily a also present a major risk factor for asthma. They are found in kitchen cabinets, kitchen floor dust, bathrooms and base-ments.

"Cockroach extermination is best managed by a rofessional pest control company. Generally they

will apply new, highly effective pesticides as odor-less gel bais that are environmentally friendly. These measures should eliminate roaches for 3-6 months," said Eggleston. "After extermination, the home must be thorough-ly cleaned to remove allergen from roach hiding places, woodwork, kitchen surfaces fabries and rugs. To prevent reinfestation, food sources must be kept in sealed containers and dishes must be cleaned fre-quently, he said.

Fungus

Fungal contamination present in indoor environ-ments is a growing concern. Many fungi produce allergens and toxins that have the capacity to induce adverse health effects. Fungi require oxygen, a auit-able temperature, a source of nutrition and meisture to thrive. Toxins are produced by many different winds of fundi

adverse nearly checks, rangi require daygen, a num-able temperature, a source of nutrition and moisture to thrive. Toxins are produced by many different kinds of fungi. "A few fungi can digest human tissue and lead to infectiona," soid Dr. Harriett A. Burge, Harvard School of Public Health, Boston, Mass. During growth, the fungi release enzymes, which can be allergenic, into the environment to digest food to a soluble form for adsorption. In the digestion process, new enzymes and secondary metabolites are released that can be allergenic, irritating or toxic for some forms of life." Fungal allergens clearly play a role in respiratory allergies including asthma. Because living with mold is dangerous for asthmatics, and potentially a problem for young children with respect to lower res-piratory illness, fungal growth in homes and echools should be minimized. "The absolutely essential step for controlling fun-gal growth is to remove water from the environ-

"The absolutely essential step for controlling fun-gal growth is to remove water from the environ-metry and Burge. Stachybotrys is a mold sometimes found in indoor environments associated with water damage. "The potential adverse health effects of Stachy-botrys toxins (startoxismic stannot be ignored and will remain a concern," said Dr. Abba I. Terr, Uni-versity of California - San Francisco Medical Center. "However, a critical review of the current published reports of possible human disease from inhalation of Stachybotrys spores do not yet establish a clear-cut cause-effect relationship to warrant the degree of concern new expressed by such terms as fatal fun-gue." gus.

All fungi that produce airborne spores, including All tungt that produce alroane spores, incl Stachybotrys, are capable of causing allergic sensitization and disease, said Terr. "In each case, the correct diagnosis must be estab-lished by thorough clinical evaluation, appropriate testing and proper inter-pretation of environmental investi-gations." Ĵ,

More information on allergic dis-eases, including asthma, is available on the Internet at www.medem.com or by calling the ACAAI toll-free number (800) 842-7777.



SEX Program offers help in saying, 'No!

BY RENÉE SKOGLUND STATT WRITER rakoglund Goo.homecomm.net

The glundbe, homecomm.nst Teen as is just not worth the risk. That was the message taken home by the scores of teens from the Wayne Courty Department of Public Health's Teen Pregnancy Prevention Rally at the Wayne Recr-ation Center March 30. Held in a carnival setting, which included appear-ances from WDTI-TM radio personalities "Spudd & Sunny", the event was designed to get teens to enroll in the health department's Teen Pregnancy Provention Program, known as TT3. "While teen pregnancy in the United States has declined in recent years, there are communities within Wayne Courty where teens are becoming pregnant at an alarming rate," said Patricia Soares,

Wayne County Public Health Director. "We are directing our teen pregnancy reduction efforts towards Wayne-Westland because teens giving birth in this district exceed tatte and county levels." According to reports tabulated by county officials, live birth percentages ranges from 2.8 to 9.0 percent of teen mothers living in the Wayne-Westland School District. In hard numbers, that translates into 466 babies last year. That's higher than Taylor, which recorded 438 births. "We would add to these numbers significantly if we added terminations or miscarriages," said Seares. The TP3 program is a partnership between the school district, the Michigan Department of Com-munity Health and the Wayne County Family Inde-

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Renee Skoglund, Editor 734-953-2128

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Teen advisors and rally participants pose with WDTJ 105.9 FM's "Spudd" (lower center) at the Teen Pregnancy Prevention

Teen power:

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