

RESEARCH NOTES

STUDY SHOWS SAFE STATION EFFECTIVE IN RESPONDING TO OPIOID CRISIS

A new report compiled by researchers at Dartmouth's Center for Technology and Behavioral Health finds that Manchester's Safe Station program—a two-and-a-half-year effort by the city's fire department to open their doors to those struggling with addiction—has been a success, due to its low-price tag, its convenience, and the immediacy of the service firefighters are able to offer.

DARTMOUTH INSTITUTE RECEIVES PCORI AWARD TO HELP INFORM WOMEN ABOUT TREATMENTS FOR UTERINE FIBROIDS

A research team at The Dartmouth Institute for Health Policy and Clinical Practice has received a \$2.1 million funding award from the Patient-Centered Outcomes Research Institute (PCORI) to implement a pilot project that could help women with one of the most common and costly health problems—uterine fibroids—make more informed decisions about treatment options.

DARTMOUTH STUDY SHEDS NEW LIGHT ON THE DEVELOPMENT OF LUNG CANCER

A study conducted by researchers at the Norris Cotton Cancer Center has identified two main pathogenic pathways that allow a key chromosome—known to be a lead agent in increasing susceptibility to lung cancer—to modify the risk of developing the disease.

SMOKING AND SERIOUS MENTAL ILLNESS

Researchers at Dartmouth and Harvard Medical School recently teamed up on a study to better understand why people with serious mental illness who smoke cigarettes, who have a much higher rate of smoking than the general population, are less able to quit the habit. They explored how social networks influenced smoking outcomes among those who participated in smoking cessation programs.

DEPRESSION MAY BE LINKED TO ARTHRITIS

A recent study conducted by researchers at Geisel reveals that arthritis is more common among depressed patients than those who are not suffering from the mood disorder.

RESEARCHERS FIND INFLUENCE OF ARSENIC ON GUT MICROBIOME IN INFANTS

New research from Geisel's Children's Environmental Health & Disease Prevention Research Center finds that even relatively low levels of arsenic in drinking water sourced from private wells in New Hampshire has a significant association with infant gut microbiome composition.

ARE MORE AMERICANS RECORDING THEIR DOCTORS' VISITS?

A Dartmouth Institute study is the first to measure the prevalence of recording clinical visits in the U.S., and also assesses the attitudes of doctors and the public toward recording.

PTSD MEDICATIONS EQUALLY EFFECTIVE IN CLINICAL PRACTICE

Research led by Dartmouth investigators finds that evidence-based medications—fluoxetine, paroxetine, sertraline, topiramate, and venlafaxine—are equally effective treatments for post-traumatic stress disorder (PTSD) in clinical practice.

STUDY REVEALS STRONG LINK BETWEEN E-CIGARETTES AND TOBACCO USE

Geisel researchers find that nicotine vaping leads more people to start smoking and to continue the use of electronic cigarettes.

NICOTINE EXPOSURE DURING PREGNANCY INCREASES RISK OF SIDS

A study conducted by Geisel scientists warns that any kind of nicotine exposure during pregnancy, whether from smoking, skin patches, or vaping, heightens the chances of Sudden Infant Death Syndrome (SIDS).

NEW SURGICAL OPTIONS FOR WOMEN WITH BREAST CANCER

A recently published collaborative national study, led by researchers at the Norris Cotton Cancer Center, finds that most women with two or three sites of cancer in a single breast can successfully complete breast conservation therapy rather than mastectomy.

FRUIT FLY SPECIES USE SOCIAL LEARNING TO PROTECT OFFSPRING

A recent study by Geisel researchers shows that fruit flies are capable of learning the dialects of other fly species through communal living and describes how fruit flies use a complex set of cues to warn one another about the threat of predatory wasps.

GEISEL RECEIVES PCORI AWARD TO STUDY TREATMENT OF OPIOID USE IN PREGNANT WOMEN

Geisel researchers have received a \$5.3 million funding award from the Patient-Centered Outcomes Research Institute (PCORI)—to conduct comparative clinical effectiveness research on medication-assisted treatment for pregnant women with opioid use disorders.

GEISEL RECEIVES FOGARTY GRANT TO FUND RESEARCH IN EAST AFRICA

Geisel has been awarded a 5-year, \$1.5 million grant from the Fogarty International Center at the National Institutes of Health to support an infectious disease research and training program to combat HIV and tuberculosis within the newly established Infectious Disease Institute at Muhimbili University of Health and Allied Sciences in Dar es Salaam, Tanzania.

For more information about research highlighted on this page, please visit

dartgo.org/DMF18-researchnotes