

**Develop New or Improved Approaches for Preventing
or Delaying the Onset or Progression of Disease and Disability**

Science Advances

- Enzyme Essential for Muscle Nourishment is Inactive in Children with Duchenne Muscular Dystrophy (328)
- Reduced Fat Intake to Lower Cholesterol is Safe and Beneficial for Children (329)
- When it Comes to Exercise, Every Little Bit Helps To Prevent Coronary Heart Disease (330)
- Counseling Helps Women, But Not Men, Improve Fitness (331)
- Mediator of Transfusion-Induced Fever is Identified (332)
- Symptomatic Congenital Cytomegalovirus Infection in Infants of Women with Preconceptional Immunity (333)
- Effects of Socioeconomic Status on Aphasia Severity and Recovery (334)
- Spoken and Written Language Disabilities in School-Aged Children (335)
- Phase I Clinical Trial of an Otitis Media Vaccine Candidate (336)
- Physical Exercise Prevents Disability in Older Persons with Arthritis (337)
- Reducing Delirium after Hip Fracture in Older Adults (338)
- Psychological Benefits of Exercise in the Elderly (339)
- Women Caring for Family Members with Dementia Can Benefit from an Exercise Program (340)
- Estrogen May Attenuate the Age-Associated Systolic Blood Pressure Rise in Post-Menopausal Women (341)
- Dietary Restriction Increases Levels of Growth Factors in the Brain and Stimulates Production of New Nerve Cells (342)
- Vaccination with Amyloid-beta Peptides Prevents Age-related Memory Deficits in a Transgenic Animal Model of Alzheimer's Disease (343)
- Environment May Protect Against Cognitive Decline and Alzheimer's Disease (AD) (344)
- Statins May Reduce the Risk of Alzheimer's Disease (345)
- Small Particles in Air May Trigger Heart Attacks (346)
- Women's Cancer Risk Linked with Nitrate Levels in Drinking Water (347)
- The DDT Metabolite Associated with Increased Risk of Premature Birth (348)
- Modest Increases in Ambient Ozone Concentration are Associated with Increases in School Absenteeism (349)
- Variations in the Gene for Microsomal Epoxide Hydrolase: Possible Answer to "Why Me?" (350)
- Amphibian Deaths Linked to Global Climate Change (351)
- In utero and Postnatal Exposure to Polybrominated Biphenyls Causes Early Puberty in Girls (352)
- Risk Factors for Asthma Identified (353)
- Are Plasticizers in the Environment Making You Infertile? (354)
- Genistein, a Plant Estrogen Found in Soy Products, Increases Cancer in Animals (355)
- Two Dietary Plant Estrogens Increase Cancer Risk in Mice (356)
- Simple Steps Can Reduce Dust Mite Allergen Exposure in Low Income, Urban Homes (357)
- The Effects of Implant Wear Particles on Bone Cells (358)
- Molecular and Psychological Influence on Barrier Function of Skin (359)
- Osteoarthritis in Young and Middle-aged Women (360)
- Effect of Dietary Protein on Bone Loss in Elderly Men and Women: The Framingham Osteoporosis Study (361)

Jumping Improves Hip and Spine Bone Mass in Prepubescent Children: A Randomized Controlled Trial (362)
 How are Mental Disorders and Violence Related? (363)
 Preventing Chronic Depression and Substance Abuse (364)
 Negative Impact of Parental HIV Illness Can Be Prevented in Their Children (365)
 Protecting the Brains of Infants During Surgery for High-risk Heart Defects (367)
 Another (Running) Step Towards Protecting the Brain in Ataxia-Telangiectasia (368)
 Dietary Supplement for Brain Injury and Disease (369)
 The Brain's Dopamine Neurons Require Estrogen (370)
 Managing Chronic Tension-type Headache (371)
 Transient Ischemic Attacks Warn of a High Risk for Stroke (372)
 A Vaccine is Highly Effective for Preventing Ebola Virus Infection in Primates (373)
 A Live Attenuated Dengue Virus Vaccine Candidate is Safe and Stimulates a Protective Immune Response in Human Volunteers (374)
 Use of Umbilical Cord Blood as a Source of Stem Cells for Transplantation (375)
 Public Service Announcements Geared to Address Teens' Specific Motivation to Use Drugs Can Reduce Drug Use (376)
 Advances in Development of an AIDS Vaccine (377)
 Steroid-free Immunosuppression for Kidney Transplantation in Children (378)
 Maternal Antibody Can Protect Newborns Against Diseases Like Meningitis, Pneumonia, and Blood Stream Infections (379)
 HIV Prevention Program Helps Reduce Sexual Activity Among Minority Youth (380)
 Virginitiy Pledges Help Some Adolescents Delay Sexual Activity (381)
 Early Childhood Program Reduces Crime and Dropout Rates (382)
 A Potential DNA Vaccine for AIDS (383)
 Study Documents Strong Association Between Cigarette Promotion and Initiation of Smoking in Adolescents (384)
 Rebelliousness and Risk-taking in Fifth Graders Predict Cigarette Smoking by Twelfth Grade (385)
 Relatives of People with Pancreatic Cancer are Probably at Increased Risk of the Cancer (386)
 Obesity and Hypertension Increase Risk of Kidney Cancer Among Men (387)
 Association of Cancer with AIDS-Related Immunosuppression in Adults (388)
 Smokeless Tobacco Use as a Gateway for Smoking Initiation (389)
 Association between Human Papillomavirus and a Subset of Head and Neck Cancers (390)
 A Protein Associated with Atherosclerosis May Give New Insights into Glaucoma (391)
 Spread of Ocular Herpes Simplex Virus Infection in Mice and Humans (392)
 Proyecto Vision Evaluation and Research (393)
 Violent Assaults and Car Crashes Drop in Communities that Have Comprehensive Alcohol-Prevention Program (394)
 Policy Changes Reduce Underage Drinking (395)
 Early-Onset Drinkers Take More Risks, Sustain More Injuries (396)
 HIV Transmission in Russia (397)
 Drug Use and the HIV Epidemic in Northern Vietnam (398)
 Effective Means of Responding to Resurgence of Dengue (399)
 Improving Mobility of Nursing Home Residents with Alzheimer's Disease (400)
 Psychologic Change in Children with Acute Lymphoblastic Leukemia (401)
 Psychosocial Nursing Therapy after Cardiac Arrest: Impact on Two-Year Survival (402)
 Targeting Adolescents in Order to Achieve Diabetes Treatment Goals (403)
 Outcomes of Advanced Practice Nurses in Long-term Care Facilities (404)

Postpartum Smoking Behaviors and Immune Response in Mothers of Term and Preterm Infants (405)
Reducing the Risk of Heart Disease in Women with Type 2 Diabetes (406)
Breast Feeding May Limit Teenage Obesity (408)
ACE Inhibitor Reduces the Risk of Kidney Failure in African Americans with Hypertension (409)
A New Way to Prevent Blood Transfusion Reactions (410)

Science Capsules

Eating Fish Reduces Risk of Stroke (411)
DASH Hypertension Diet Also Lowers Cholesterol (411)
Reducing Sodium Leads to Substantial Drop in Blood Pressure (411)
Weight Loss Reduces Risk of Sleep Apnea (412)
Raloxifene Does Not Affect Cognitive Function in Postmenopausal Women (412)
Positive Emotions in Early Life Linked to Longevity (412)
Depression and Agitation in Alzheimer's Disease: Effects on Caregivers (413)
Alzheimer's Disease Transgenic Model Immunization: Non-Toxic Peptide Vaccine (413)
Molecular Basis of Alpha Virus Assembly (413)
Quicker Cancer Assays Possible with Genetically Altered Mice (414)
Important Insight into Food Poisoning (414)
Environmental Agent Inhibits Testosterone Production (414)
Risky Health Practices in Adult Men Traced to Their Experiences as Children (415)
How Does Depression Contribute to Mortality in Older Adults? (415)
Perceived Stigma Can Affect Treatment Adherence for Depressed Older Adults (416)
Keys to Successful Aging: Results of a 60-Year Prospective Study (416)
Isolation of a Potential Vaccine Candidate Against *Leishmania* (417)
Improved TB Vaccine Provides Enhanced Protection (417)
Families Can Provide a Shield Against A Child's Initial Drug Use (417)
Drug Users in Communities with Low HIV Rates More Likely to Engage in High-risk Behaviors (418)
Being Overweight at Age 13 Predicts Insulin Resistance at Age 22 (418)
Dental Plaque Formation: Pellicle Protein Characterization (418)
Increased Risk for Bone and Liver Cancers in Nuclear Plant Workers (419)
Cancer Risk in DES-exposed Mothers (419)
Hereditary Retinoblastoma and Lung Cancer Risk (419)
Genetics and Nicotine Addiction (420)
New Cytotoxins for Tumor Cells (420)
Long-term Estrogen Replacement Therapy Reduces the Risk of Cataracts (420)
Vaginal Delivery After a Cesarean Section (421)
Depression Intervention in College-age Women (421)
Exercise Can Safely Help HIV+Patients Maintain Weight and Endurance (421)
Managing Cardiovascular Risk Factors During Encounters for Coronary Bypass Surgery (421)
Reducing Incontinence Among People at Home With Dementia (422)
Advance Directives Help Lower Stress Levels in End-of-Life Decisions (422)
Reducing Cardiovascular Risk in Overweight Older Women (422)
Effect of School-Based Programs on Suicide Prevention (423)
Trends of Cigarette Use in Adolescents (423)
Employment has Little Effect of High-Risk Pregnancy Outcomes (423)
Drug Ototoxicity (423)

Stories of Discovery

Preventing Strokes (424)

The Ominous Link between Obesity and Type 2 Diabetes (427)

The Maternal Side of Mother to Child HIV Transmission (430)

Understanding What Goes Wrong in PTSD: Pathways to Prevention (432)

Parkinson's Disease – Identifying the Environmental Triggers (435)

Genetic and Molecular Basis of Longevity (437)