

NF Network Advocacy Program



Facial Paralysis
Spinal Tumors



Deafness
Balance Issues
Vision Loss



Adrenal Tumor
Organ Tumors
Chronic Pain
Cancer



Brain
Tumor



Plexiform
Tumor



Chronic Depression
Skin Tumors
Learning Disabilities



G.I. Issues
Eye Tumors
Precocious Puberty
Plexiform Tumor



Cardio-Vascular
Abnormalities
Skin Tumors

Neurofibromatosis (NF) Fact Sheet

NEUROFIBROMATOSIS

- ♥ NF is a highly variable and unpredictable genetic disorder of the nervous system that affects almost every organ system in the body. NF causes tumors to grow along nerves including in the skin, just below the skin, and in the brain and spinal cord.
- ♥ Complications of NF can include brain and spinal tumors, benign and malignant tumors, severe pain, bone abnormalities, blindness, deafness, cardiovascular disease, muscle weakness, disfigurement, and psychosocial disabilities such as learning disabilities and autism, and in some cases death.
- ♥ NF occurs worldwide in all races, ethnic groups and both sexes and can appear in any family. Half of all affected people inherit the disorder, the other half arise spontaneously through mutations in the NF genes.
- ♥ NF affects more than 100,000 Americans; this makes NF more prevalent than Cystic Fibrosis, hereditary Muscular Dystrophy, Huntington's disease and Tay Sachs combined.
- ♥ There is no known treatment to stop the growth of these tumors and there is no cure.

NF RESEARCH PROGRAMS

- ♥ NF research has been funded by Congress through the Congressionally Directed Medical Research Programs (CDMRP) at the Department of Defense since 1996, and through the National Institutes of Health (NIH).
- ♥ Funded research has determined that the NF gene controls pathways which are directly related to pain, nerve regeneration, wound healing, inflammation and blood vessel growth, bone growth and repair, orthopedic abnormalities, amputation, muscle weakness, learning disabilities, behavioral and brain function, tumor growth, and many forms of cancer, affecting over 175 million Americans, including members of the military.
- ♥ NF Clinical Trials Consortium significantly accelerates the clinical trial process by recruiting patients from 19 clinical sites with an operational center to analyze data. It has 8 clinical trials underway.
- ♥ Continued Congressional funding through the CDMRP and NIH is vital in funding pre-clinical and clinical trials and finding a treatment and cure for NF and its related disorders.

WHAT WE ARE SEEKING IN FY 2017 & 2018

- ♥ **Defense Appropriations Request:** Support \$15 million in funding for the Army's NF Research Program (NFRP) in the FY 2017 and FY 2018 Department of Defense Appropriations bills.
- ♥ **Labor HHS Appropriations Request:** Support the inclusion of report language on NF research at the National Institutes of Health in the FY 2018 Labor, Health and Human Services, Education Appropriations bill.

