```
URL: https://www.cancer.gov/
Title: Comprehensive Cancer Information - NCI
Text: (window.NREUM||(NREUM={})).init={privacy:{cookies_enabled:false},ajax:{deny_list:["gov-bam.nr-data-
(()=>\{var\ e,t,r=\{234:(e,t,r)=>\{"use\ strict";r.d(t,\{P_:()=>v,Mt:()=>b,C5:()=>s,DL:()=>A,OP:()=>D,IF:()=>O,Yu:()=>b,C5:()=>b,C5:()=>b,C5:()=>A,OP:()=>D,IF:()=>O,Yu:()=>b,C5:()=>b,C5:()=>b,C5:()=>A,OP:()=>D,IF:()=>O,Yu:()=>b,C5:()=>b,C5:()=>b,C5:()=>A,OP:()=>D,IF:()=>O,Yu:()=>b,C5:()=>b,C5:()=>b,C5:()=>A,OP:()=>D,IF:()=>O,Yu:()=>b,C5:()=>b,C5:()=>b,C5:()=>A,OP:()=>D,IF:()=>O,Yu:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=>D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF:()=D,IF
 window.CDEConfig = {
  "exitDisclaimerHref":{
     "en":"VpoliciesVlinking",
     "es":"VespanolVpoliticasVenlaces"
  "showFloatingDelighters":true,
   "environmentConfig":{
   "glossaryConfig":{
      "apiServer": "https://webapis.cancer.gov/glossary/v1/"
   "drugDictionaryConfig":{
     "apiServer": "https:\/\/webapis.cancer.gov\/drugdictionary\/v1\/"
   "ctsConfig":{
      "apiServer":"https:\/\clinicaltrialsapi.cancer.gov\/api\/v2",
      "printApiBase":"https:\/\www.cancer.gov\/CTS.Print",
     "zipConversionEndpoint":"Vcts_apiVzip_code_lookup"
   "r4rConfig":{
      "apiServer": "https:\/\/webapis.cancer.gov\/r4r\/v1"
   "general":{
      "apiServer":"https:\/\webapis.cancer.gov",
      "mediaServer":"https:\V\nci-media.cancer.gov"
   "sitewideSearchConfig":{
     "bestBetsApiServer": "https://webapis.cancer.gov/bestbets/v1/",
     "searchApiServer": "https:\/\/webapis.cancer.gov\/sitewidesearch\/v1\/"
   "chartData": {
     "factBook": {
        "baseUrl": "Vabout-nciVbudgetVfact-book",
        "dataType": "json"
  }
 window.ncidsNavInfo = { nav: { id: "309", menu_type: "mobile-nav"}, item_id: 309};
       Comprehensive Cancer Information - NCI
        Skip to main content
           An official website of the United States government
                  Español
■■■ Menu
■■■■■Search
      ■■■■ Search
■■■■■■■ About Cancer
```

```
Side Effects
    Causes & Prevention
    Diagnosis & Staging
    Find a Clinical Trial
For Researchers
       Support for the best science underpins everything NCI does. Explore our resources to help resear
    Funding Opportunities
    Resources for Researchers
    Apply for a Grant
    Training at NCI
    Find a Research Contact
    Key NCI Initiatives
    Featured News and Research
■■■ Putting Cancer Disparities in the Rearview Mirror
Tackling cancer disparities will require advances and changes that go well beyond the laborate
■■■ Using Cancer's Tricks May Give T-Cell Therapies a Big Boost
A genetic change cancerous T cells rely on may make T-cell therapies better cancer killers.
■■■ Nivolumab Injections Could Make Cancer Treatment Easier
In a clinical trial, an injectable form of the immunotherapy drug worked as well against tumors
            Are You Ready to Contribute to Progress against Cancer?
                Everyone has a role to play in the fight against cancer. Learn more and get involved.
              Learn More
            NCI Fiscal Year 2025 Professional Judgment Budget Proposal
                Each year, NCI prepares a professional judgment budget to lead progress against cance
              Learn More
            Get Answers
                Connect with a cancer information specialist at 1-800-4-CANCER, through live chat, or b
              Get Started
■■ Meet the NCI Director Live: February 22, 2024
    Our Organization
■■■ Senior Leaders
■■■■■■ Information about NCI Director Dr. W. Kimryn Rathmell and other senior NCI leaders.
■■■ NCI Divisions, Offices, and Centers
■■■■■■ NCI has 30 divisions, offices, and centers who work together to build, maintain, and enhance
■■■ Advisory Boards and Review Groups
■■■■■■ NCI relies on advisory committees to provide advice on the National Cancer Program, NCI sc
   Back To Top
           About
             About This Website
             en Español
```

NCI is the nation's trusted source for cancer information. We are here for you with information about

Grants & Training

News & Events

About NCI

For People Affected by Cancer

Find a Cancer Type

Treatment

Improving the lives of all people through cancer research

```
Resources
            Contact Us
            Publications
            Dictionary of Cancer Terms
            Find a Clinical Trial
         Policies
            Accessibility
            FOIA
            Privacy & Security
            Disclaimers
            Vulnerability Disclosure
      Sign up for email updates
         Enter your email address
       Sign up
       National Cancer Institute
       at the National Institutes of Health
    Contact Us
        Live Chat
        1-800-4-CANCER
        NClinfo@nih.gov
        Site Feedback
    Follow us
         Facebook
         Follow on X
         Instagram
         Youtube
         Linkedin
        U.S. Department of Health and Human Services
        National Institutes of Health
        National Cancer Institute
        USA.gov
 _satellite.pageBottom();
window.NREUM||(NREUM={});NREUM.info={"beacon":"gov-bam.nr-data.net","licenseKey":"bfc00e1ee3'
```

Reuse & Copyright

Social Media