

### III. ClinicalTrials.gov

<http://clinicaltrials.gov>



A clinical trial is a research study with human volunteers to answer specific health questions. People come to ClinicalTrials.gov because they want to participate in a clinical trial, and need to know where they can find one appropriate to their needs. ClinicalTrials.gov provides regularly updated information about federally and privately supported clinical research in human volunteers.

ClinicalTrials.gov has information about:

- A trial's purpose
- Who may participate
- Locations where trials are held
- Contact information for the trial
- Whether or not the trial is currently recruiting for participants

People participate in clinical trials because

- They can play a more active role in their own health care
- Gain access to new research treatments before they are widely available
- Help others by contributing to medical research

To learn more about clinical trials, and whether or not to consider participating in one, the "Resources" link at the top of each page will go to a Frequently Asked Questions page with more information about clinical trials. It includes answers to questions like:

- Why participate in a clinical trial?
- What is informed consent?
- How is the safety of the participant protected?

## Searching ClinicalTrials.gov

The purpose of this web site is primarily to search for clinical trials. There are several different ways to search.

### Basic Search

The first is the basic search. You simply type the words that you are looking for in the search box on the home page. Words and phrases should be separated by commas. The words can include disease, treatments, locations, and names of researchers.

For example “heart attack, Los Angeles.”

**Search Clinical Trials**  
 Example: heart attack, Los Angeles  
  [Tips](#)

**Search by Specific Information**  
[Focused Search](#) - search by disease, location, treatment, sponsor...

**Browse**  
[Browse by Condition](#) - studies listed by disease or condition  
[Browse by Sponsor](#) - studies listed by funding organization

This search brings up 2 studies that are recruiting in Los Angeles:

**ClinicalTrials.gov** *Linking patients to medical research*  
 A service of the National Institutes of Health | Developed by the National Library of Medicine  
[Home](#) | [Search](#) | [Browse](#) | [Resources](#) | [Help](#) | [What's New](#) | [About](#)

Search results for *heart attack Los Angeles* [ALL-FIELDS] are shown below.

Include trials that are no longer recruiting patients.

2 studies were found.

- Recruiting** [Outcome Study ONTARGET](#)  
 Conditions: Coronary Disease; Angina Pectoris; Cerebrovascular Accident; Myocardial Infarction
- Recruiting** [Stenting vs. Surgery to Prevent Stroke](#)  
 Conditions: Stroke; Cerebral Infarction; Carotid Stenosis; Atherosclerosis

The “Tips” link next to the Search button gives details for searching, including using Boolean operators and advanced operators. More details on these searching techniques can be found by clicking on the “Help” link at the top of the page.

### Focused Search

Just below the basic search on the home page is a link for the Focused Search. This link will take you to a search page with more options for searching.

**Focused Search**

Use this form to focus your search. Fill in any or all of the boxes below. Click on the label to the left of each box for further explanation.

[Tips](#)

[Disease or Condition:](#)

[Experimental Treatment:](#)

[Location:](#) (Search for a specific facility or geographic location. Fill in any or all of the boxes below.)

Facility:

City:

State:

Country:

[Additional Terms:](#)

[Age Group:](#)  Child (birth-17)  Adult (18-65)  Senior (66+)

[Study Phase:](#)  Phase I  Phase II  Phase III  Phase IV

[Supported By:](#)  NIH  Other Federal Agency  
 Industry  University/Organization

[Study ID Number:](#)

Exclude synonyms from search

Filling in any of boxes will help to narrow your search. If there are questions about what kinds of information to put in the fields, clicking on the blue links to the left of the boxes will open a new window with information about that field.

### Browsing by condition

Selecting this link will bring you an opportunity to browse the clinical trials either alphabetically by condition or by a disease subject heading.

Searching alphabetically, you will need to select the first letter of the disease name and scroll down the page to the disease for which you are searching.

[Browse](#) : [By Condition](#) : [Alphabetically](#) : **F**

Include trials that are no longer recruiting patients.

1. [Fabry Disease](#) (5 recruiting studies)
2. [Facial Pain](#) (3 recruiting studies)
3. [Facial Paralysis](#) (1 recruiting study)
4. [Fallopian Tube Diseases](#) (1 recruiting study)
5. [Fallopian Tube Neoplasms](#) (1 recruiting study)
6. [Familial Mediterranean Fever](#) (1 recruiting study)
7. [Fanconi Anemia](#) (7 recruiting studies)
8. [Fatigue](#) (10 recruiting studies)
9. [Fatigue Syndrome, Chronic](#) (1 recruiting study)
10. [Fatty Liver](#) (4 recruiting studies)
11. [Favism](#) (1 recruiting study)
12. [Female Genital Diseases and Pregnancy Complications](#) (792 recruiting studies)

Selecting the search by Disease Heading will get a list of approximately 23 disease headings under which to browse. The list will tell you how many recruiting clinical trials are found under each heading. Note that at the top of each page is a navigation line showing your path.

[Browse](#) : [By Condition](#) : [By Disease Heading](#)

Include trials that are no longer recruiting patients.

1. [Bacterial and Fungal Diseases](#) ([List All](#) 486 recruiting studies)
2. [Behaviors and Mental Disorders](#) ([List All](#) 547 recruiting studies)
3. [Blood and Lymph Conditions](#) ([List All](#) 755 recruiting studies)
4. [Cancers and other Neoplasms](#) ([List All](#) 2324 recruiting studies)
5. [Conditions of the Urinary Tract and Sexual Organs, and Pregnancy](#) ([List All](#) 557 recruiting studies)
6. [Digestive System Diseases](#) ([List All](#) 454 recruiting studies)
7. [Diseases and Abnormalities at or before Birth](#) ([List All](#) 435 recruiting studies)
8. [Ear, Nose and Throat Diseases](#) ([List All](#) 60 recruiting studies)
9. [Eye Diseases](#) ([List All](#) 104 recruiting studies)
10. [Gland and Hormone Related Diseases](#) ([List All](#) 487 recruiting studies)
11. [Heart and Blood Vessel Diseases](#) ([List All](#) 433 recruiting studies)

Selecting the heading will give you a list of the diseases under that heading and how many clinical trials are found by disease.

[Browse](#) : [By Condition](#) : [By Disease Heading](#) : [Heart and Blood Vessel Diseases](#)

Include trials that are no longer recruiting patients.

([List All](#) 433 recruiting studies)

1. [Aneurysm](#) (1 recruiting study)
2. [Angina Pectoris](#) (6 recruiting studies)
3. [Angina, Unstable](#) (2 recruiting studies)
4. [Angiomatosis](#) (5 recruiting studies)
5. [Aortic Stenosis, Subvalvular](#) (3 recruiting studies)
6. [Aortic Valve Insufficiency](#) (1 recruiting study)
7. [Aortic Valve Stenosis](#) (3 recruiting studies)
8. [Arrhythmia](#) (14 recruiting studies)
9. [Arrhythmogenic Right Ventricular Dysplasia](#) (1 recruiting study)

### Browsing by sponsor

This simply lists the four kinds of groups that sponsor clinical trials that are included in this website.

[Browse](#) : [By Sponsor](#)

Include trials that are no longer recruiting patients.

1. [National Institutes of Health](#) ([List All](#) 2928 recruiting studies)
2. [Other Federal Agency](#) ([List All](#) 191 recruiting studies)
3. [Industry](#) ([List All](#) 754 recruiting studies)
4. [University/Organization](#) ([List All](#) 1765 recruiting studies)

Clicking on the organization type will bring up a list of the specific organizations under that type (for example a list of the names of Universities and Organizations). You can also click on the link “List All” after the sponsor type for a complete list of every study.

**Other Search Features**

**No longer recruiting** – On each search screen is a check box next to the words “Include trials that are no longer recruiting patients.” If you put a check in this box, the search will include trials that are “no longer recruiting,” “completed,” “suspended,” or “terminated.”

**Search-within-results** – This button at the top of the results page will give you the opportunity to limit the results you have already found.

For example, choosing the “List All” link for Universities and Organizations produces this list of 1765 recruiting studies:

Browse : [By Sponsor](#) : [University/Organization](#) : ALL\_STUDIES

Include trials that are no longer recruiting patients.    Search-Within-Results    Query Details    Map of locations

1765 studies were found. Here are studies 1 to 50. [Next 50](#)

- Recruiting** [12-O-Tetradecanoylphorbol-13-acetate in Treating Patients With Hematologic Cancer or Bone Marrow Disorder](#)  
Conditions: chronic myeloproliferative disorders; Leukemia; Lymphoma; myelodysplastic and myeloproliferative diseases; plasma cell neoplasm
- Recruiting** [17-N-Allylamino-17-Demethoxygeldanamycin in Treating Patients With Advanced Epithelial Cancer, Malignant Lymphoma, or Sarcoma](#)  
Condition: Cancer
- Recruiting** [17-N-Allylamino-17-Demethoxygeldanamycin in Treating Patients With Solid Tumors That Cannot Be Removed By Surgery](#)  
Conditions: Hodgkin's lymphoma; adult T-cell leukemia and lymphoma; adult solid tumor; angiocentric immunoproliferative lesions; Cutaneous T-Cell Lymphoma; ...
- Recruiting** [17-N-Allylamino-17-Demethoxygeldanamycin in Treating Young Patients With Relapsed or Refractory Solid Tumors or Leukemia](#)  
Conditions: unspecified childhood solid tumor, protocol specific; recurrent childhood acute lymphoblastic leukemia; recurrent childhood acute myeloid leukemia;

Clicking on the search-within-results button brings up this screen.

**Search Within Results**

You may search within results of previous search:  
 ("University of Oxford" OR "Cancer Research UK" OR "European Infant Neuroblastoma Study Group - 1999" OR "European Institute of Oncology" OR ...) [STUDY-SPONSORS]

for  in  [Tips](#)

Now the list of recruiting studies has been narrowed down to 197 clinical trials about breast cancer in universities and organizations. Note that at the top of the results screen is a statement showing the search strategy used.

Search results for ("University of Oxford" OR "Cancer Research UK" OR "European Infant Neuroblastoma Study Group - 1999" OR ...) [STUDY-SPONSORS] AND breast cancer [ALL-FIELDS] are shown below.

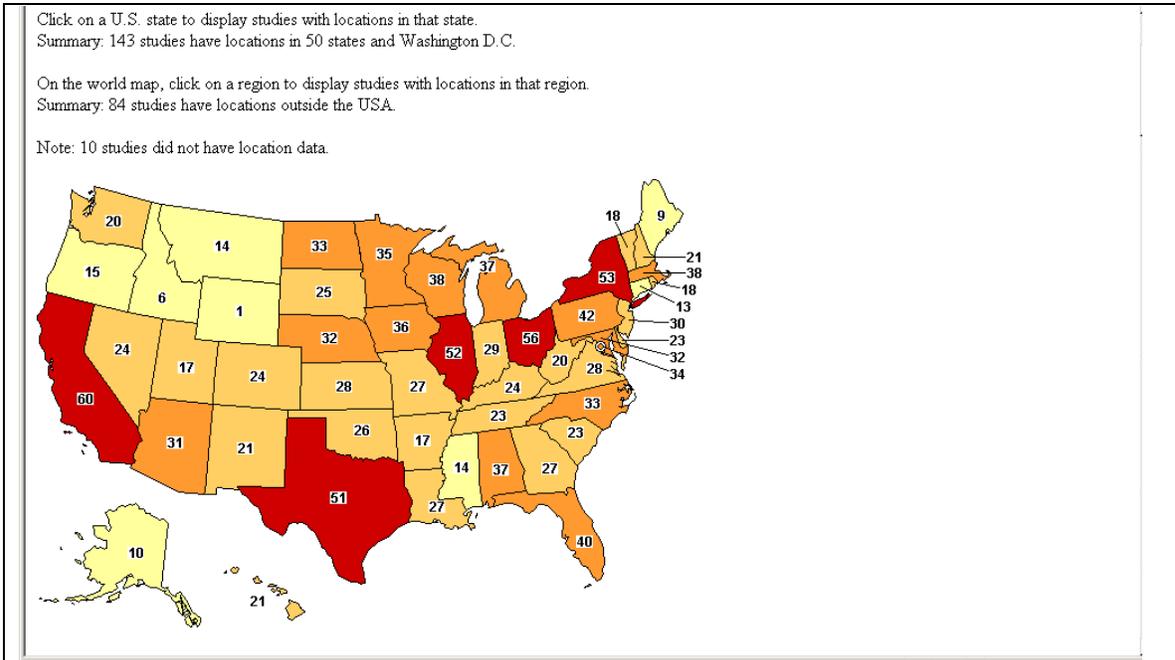
Include trials that are no longer recruiting patients.    Search-Within-Results    Query Details    Map of locations

197 studies were found. Here are studies 1 to 50. [Next 50](#)

- Recruiting** [Radiation Therapy Following Surgery in Treating Women With Early-Stage Invasive Breast Cancer](#)  
Conditions: stage I breast cancer; stage II breast cancer
- Recruiting** [Exemestane Compared With Anastrozole, With or Without Celecoxib, in Treating Postmenopausal Women After Surgery for Primary Breast Cancer](#)  
Conditions: stage IIIA breast cancer; stage I breast cancer; stage II breast cancer
- Recruiting** [Combination Chemotherapy Followed by Radiation Therapy With or Without Surgery in Treating Women With Locally Advanced or Inflammatory Breast Cancer](#)

### Map of Locations

Continuing with the previous example, selecting the "Map of Locations" button will let you know in which state the studies are taking place.



This map of the United States shows each state where studies are being done and the number of studies in that state. Below it is a list of states with numbers after them showing the number of studies in that state.

Selecting either one will bring up a list of just the clinical trials on breast cancer done by universities or organizations being done in that state.

**Query Details**

ClinicalTrials.gov has a way for you to see how it is doing the search. One aspect of the search mechanism at ClinicalTrials.gov is that it will look for medical synonyms for your search and search those as well as the words you typed. For example, in the search for “heart attack,” ClinicalTrials.gov also searched for “myocardial infarction.”

The Query Details will show you exactly how the search was done in ClinicalTrials.gov.

**Query Details**

**Modify Your Search**

Search  [Tips](#)

**Possibly Relevant MedlinePlus Topics**  
[Heart Attack](#)

Individual Terms	Count
"los"	1626
"heart"	1489
"attack"	139
"angeles"	1579
"los angeles"	1578
"heart attack" Also searched: myocardial infarction attack coronary myocardial infarct myocardial necrosis cardiopathy necrotic heart infarction	144

Using the above example, you can see that the top box that shows how ClinicalTrials.gov ran your search. It used the Boolean operator “AND”, and searched “all fields.” In the box below, you can see the other words that were searched as synonyms to “heart attack.”

You may make changes to your search in the Query box.

In the “Focused Search,” one option is to exclude synonyms from search, if you do not want ClinicalTrials.gov to use this feature.

## Search Results

When selecting a study, the final screen will give you details about the purpose of the clinical trial, the treatment used, the phase of the trial, the design and type of the study, who is eligible, and contact information.

**Stenting vs. Surgery to Prevent Stroke**

This study is currently recruiting patients.

Sponsored by  
[National Institute of Neurological Disorders and Stroke \(NINDS\)](#)

**▶ Purpose**

The purpose of the Carotid Revascularization Endarterectomy versus Stenting Trial (CREST) is to compare the relatively new procedure of stent-assisted carotid angioplasty (CAS) to the traditional and accepted surgical approach of carotid endarterectomy (CEA) for the treatment of carotid artery stenosis to prevent recurrent strokes in those patients who have had a TIA (transient ischemic attack) or a mild stroke.

Condition	Treatment or Intervention	Phase
Stroke	Procedure: carotid endarterectomy	<a href="#">Phase III</a>
Cerebral Infarction	Procedure: carotid angioplasty with stenting	
Carotid Stenosis		
Atherosclerosis		

[MedlinePlus](#) related topics: [Circulatory Disorders](#); [Stroke](#)

Study Type: Interventional  
Study Design: Prevention, Randomized

Links are provided to give more information on a particular aspect, for example “Phase III.” Links to MedlinePlus also give more information about disease.

**▶ Eligibility**

Ages Eligible for Study: 18 Years and above, Genders Eligible for Study: Both

Criteria

Inclusion Criteria:

- Symptomatic patients with recent neurological events (TIA or non-disabling stroke) with an associated carotid stenosis greater than 50% by angiography or 70% by ultrasound are eligible for randomization.

Exclusion Criteria:

- Conditions that: (1) interfere with the evaluation of endpoints, (2) are known to interfere with the completion of CEA or CAS, or (3) affect the likelihood of survival for the study period (4 years).

**▶ Location and Contact Information**

Jamie Roberts 904-953-7742 [roberts.jamie@mayo.edu](mailto:roberts.jamie@mayo.edu)

**Alabama**  
University of Alabama at Birmingham, Birmingham, Alabama, 35294, United States; Recruiting  
Dell Day 205-934-7279 [dell.day@ccc.uab.edu](mailto:dell.day@ccc.uab.edu)  
William D. Jordan, Principal Investigator

## What's New

This link at the top of every page will take you to a page which shows the latest clinical trials added to the database and clinical trials that are in the news. When available, it also gives a link to the citation in MEDLINE.

### What's New in ClinicalTrials.gov

ClinicalTrials.gov currently contains thousands of clinical studies sponsored by the National Institutes of Health, other United States Government agencies and the pharmaceutical industry.

- View studies added in the [last 7 days](#)
- View studies added in the [last 30 days](#)

### ClinicalTrials.gov Studies in the News

- WHI Study Finds No Heart Disease Benefit, Increased Stroke Risk With Estrogen Alone (NHLBI, April 13, 2004)
  - [Press Release](#)
  - Information about the [Women's Health Initiative \(WHI\)](#) Study
- A Randomized Trial of Exemestane After Two to Three Years of Tamoxifen Therapy in Postmenopausal Women with Primary Breast Cancer. (Coombes RC et al. N Engl J Med. 2004 Mar 11;350(11):1081-92.)
  - [MEDLINE Citation](#)
  - Information about the study on [Exemestane Compared With Tamoxifen in Treating Postmenopausal Women With Primary Breast Cancer](#)

Press releases are searchable from the current month back to 2002.

ClinicalTrials.gov was developed by the National Library of Medicine and is a service of the National Institutes of Health.

**Practice Exercises**

1. Find out if there is a clinical trial using stem cells in heart disease in your state.

2. I remember hearing about a recent study on HIV. Can you find me something about that? It was sometime in the last couple of months.

3. What is a double-blind study?