

Breast Cancer

URL of this page: <http://www.nlm.nih.gov/medlineplus/breastcancer.html>

Breast cancer affects one in eight women during their lives. Breast cancer kills more women in the United States than any cancer except lung cancer. No one knows why some women get breast cancer, but there are a number of risk factors. Risks that you cannot change include

- Age - the chance of getting breast cancer rises as a woman gets older
- Genes - there are two genes, BRCA1 and BRCA2, that greatly increase the risk. Women who have family members with breast or ovarian cancer may wish to be tested.
- Personal factors - beginning periods before age 12 or going through menopause after age 55

Other risks include being overweight, using hormone replacement therapy (also called menopausal hormone therapy), taking birth control pills, drinking alcohol, not having children or having your first child after age 35 or having dense breasts.

Symptoms of breast cancer may include a lump in the breast, a change in size or shape of the breast or discharge from a nipple. Breast self-exam and mammography can help find breast cancer early when it is most treatable. Treatment may consist of radiation, lumpectomy, mastectomy, chemotherapy and hormone therapy.

Men can have breast cancer, too, but the number of cases is small.

NIH: National Cancer Institute



Start Here

- Breast Cancer [<http://www.nlm.nih.gov/medlineplus/tutorials/breastcancer/htm/index.htm>] **Interactive Tutorial** (Patient Education Institute)
Also available in Spanish [<http://www.nlm.nih.gov/medlineplus/spanish/tutorials/breastcancerspanish/htm/index.htm>]
- What You Need to Know about Breast Cancer [<http://www.cancer.gov/cancertopics/wyntk/breast>] **NIH** (National Cancer Institute)
Also available in Spanish [<http://www.cancer.gov/espanol/sabersobre/seno>]

Overviews

- Basic Information about Breast Cancer [http://www.cdc.gov/cancer/breast/basic_info/] (Centers for Disease Control and Prevention)
- Breast Cancer [<http://familydoctor.org/familydoctor/en/diseases-conditions/breast-cancer.printerview.all.html>] (American Academy of Family Physicians)

Latest News

- Yoga May Reduce Fatigue, Inflammation in Breast Cancer Survivors [http://www.nlm.nih.gov/medlineplus/news/fullstory_144259.html] (01/27/2014, HealthDay)
- Many Women Still Have Pain One Year After Breast Cancer Surgery [http://www.nlm.nih.gov/medlineplus/news/fullstory_143847.html] (01/02/2014, HealthDay)
- Only High-Risk Women Need Breast Cancer Gene Test: Experts [http://www.nlm.nih.gov/medlineplus/news/fullstory_143685.html] (12/23/2013, HealthDay)
- Acupuncture and Breast Cancer [http://www.nlm.nih.gov/medlineplus/videos/news/Acupuncture_122313-1.html]  (12/23/2013, HealthDay)
- Benefits of Mammography [http://www.nlm.nih.gov/medlineplus/videos/news/Benefits_Mammography_121213-1.html]  (12/12/2013, HealthDay)
- Nipple Aspirate Test Is No Substitute for Mammogram [<http://www.fda.gov/ForConsumers/ConsumerUpdates/ucm378257.htm>] (12/12/2013, Food and Drug Administration)
- More News on Breast Cancer [http://www.nlm.nih.gov/medlineplus/alphanews_b.html#breastcancer]

Diagnosis/Symptoms

- Breast Cancer Staging [<http://www.mayoclinic.org/diseases-conditions/breast-cancer/in-depth/breast-cancer-staging/ART-20045087?p=1>] (Mayo Foundation for Medical Education and Research)
- Breast Exam [<http://www.mayoclinic.org/tests-procedures/breast-exam/basics/definition/PRC-20020418?p=1>] (Mayo Foundation for Medical Education and Research)
- Breast Lumps - Biopsy [<http://www.nlm.nih.gov/medlineplus/tutorials/breastlumpsbiopsy/htm/index.htm>] **Interactive Tutorial** (Patient Education Institute)
Also available in Spanish [<http://www.nlm.nih.gov/medlineplus/spanish/tutorials/breastlumpsbiopsyspanish/htm/index.htm>]
- Having a Breast Biopsy: A Guide for Women and Their Families [<http://effectivehealthcare.ahrq.gov/index.cfm/search-for-guides-reviews-and-reports/?pageaction=displayproduct&productID=407>] (Agency for Healthcare Research and Quality)
Also available in Spanish [<http://www.effectivehealthcare.ahrq.gov/index.cfm/search-for-guides-reviews-and-reports/?pageaction=displayproduct&productid=506>]
- How Is Breast Cancer Diagnosed? [<http://www.cancer.org/cancer/breastcancer/detailedguide/breast-cancer-diagnosis>] (American Cancer Society)
- Lymphoscintigraphy [<http://www.radiologyinfo.org/en/info.cfm?pg=lympho>] (American College of Radiology, Radiological Society of North America)
Also available in Spanish [<http://www.radiologyinfo.org/sp/info.cfm?pg=lympho>]
- MRI of the Breast [<http://www.radiologyinfo.org/en/info.cfm?pg=breastmr>] (American College of Radiology, Radiological Society of North America)
Also available in Spanish [<http://www.radiologyinfo.org/sp/info.cfm?pg=breastmr>]
- Ultrasound - Breast [<http://www.radiologyinfo.org/en/info.cfm?pg=breastus>] (American College of Radiology, Radiological Society of North America)
Also available in Spanish [<http://www.radiologyinfo.org/sp/info.cfm?pg=breastus>]
- Understanding Breast Changes: A Health Guide for Women [<http://www.cancer.gov/cancertopics/understanding-breast-changes/>] **NIH** (National Cancer Institute)
- Understanding Your Pathology Report [<http://www.lbbc.org/Understanding-Breast-Cancer/Breast-Cancer-Basics/Understanding-Your-Pathology-Report>] (Living Beyond Breast Cancer)

Treatment

- Adjuvant and Neoadjuvant Therapy for Breast Cancer [<http://www.cancer.gov/cancertopics/factsheet/Therapy/adjuvant-breast>] **NIH** (National Cancer Institute)
Also available in Spanish [<http://www.cancer.gov/espanol/recursos/hojas-informativas/tratamiento/seno-terapia-adyuvante>]

- Breast Cancer (PDQ): Treatment [<http://www.cancer.gov/cancertopics/pdq/treatment/breast/patient/>] **NIH** (National Cancer Institute)
Also available in Spanish [<http://www.cancer.gov/espanol/pdq/tratamiento/seno>]
- Drugs Approved for Breast Cancer [<http://www.cancer.gov/cancertopics/druginfo/breastcancer>] **NIH** (National Cancer Institute)
- Early-Stage Breast Cancer Treatment: A Patient and Doctor Dialogue [<http://www.womenshealth.gov/publications/our-publications/fact-sheet/early-stage-breast-cancer.pdf>] (Department of Health and Human Services, Office on Women's Health) - PDF
- Hormone Therapy for Breast Cancer [<http://www.cancer.gov/cancertopics/factsheet/Therapy/hormone-therapy-breast>] **NIH** (National Cancer Institute)
Also available in Spanish [<http://www.cancer.gov/espanol/recursos/hojas-informativas/tratamiento/terapia-hormonal-seno>]
- MedlinePlus: Mastectomy [<http://www.nlm.nih.gov/medlineplus/mastectomy.html>] **NIH** (National Library of Medicine)
Also available in Spanish [<http://www.nlm.nih.gov/medlineplus/spanish/mastectomy.html>]
- Minimally Invasive Treatments for Breast Cancer [<http://www.sirweb.org/patients/breast-cancer/>] (Society of Interventional Radiology)
- Radiation Therapy for Breast Cancer [<http://www.rtanswers.org/uploadedFiles/CancerTypes/breast.pdf>] (American Society for Radiation Oncology) - PDF
Also available in Spanish [http://www.rtanswers.org/uploadedFiles/Treatment_Information/Brochures/breastsp.pdf]
- Surgery Choices for Women with DCIS or Breast Cancer [<http://www.cancer.gov/cancertopics/treatment/breast/surgerychoices.pdf>] **NIH** (National Cancer Institute) - PDF
- Treatment of Invasive Breast Cancer by Stage [<http://www.cancer.org/cancer/breastcancer/detailedguide/breast-cancer-treating-by-stage>] (American Cancer Society)
Also available in Spanish [<http://www.cancer.org/Espanol/cancer/cancerdeseno/Guiadetallada/cancer-de-seno-tratamiento-por-etapa>]

Prevention/Screening

- Breast Cancer (PDQ): Prevention [<http://www.cancer.gov/cancertopics/pdq/prevention/breast/patient/>] **NIH** (National Cancer Institute)
Also available in Spanish [<http://www.cancer.gov/espanol/pdq/prevencion/seno/Patient>]
- Breast Cancer (PDQ): Screening [<http://www.cancer.gov/cancertopics/pdq/screening/breast/patient/>] **NIH** (National Cancer Institute)
- CDC Vital Signs: Cancer Screenings: Colorectal Cancer and Breast Cancer [<http://www.cdc.gov/VitalSigns/pdf/2010-07-vitalsigns.pdf>] (Centers for Disease Control and Prevention) - PDF
- Environmental Factors and Breast Cancer Risk
[http://www.niehs.nih.gov/health/assets/docs_a_e/environmental_factors_and_breast_cancer_risk_508.pdf] **NIH** (National Institute of Environmental Health Sciences) - PDF
- Medications for the Risk Reduction of Primary Breast Cancer in Women
[<http://www.uspreventiveservicestaskforce.org/uspstf13/breastcanmeds/breastcanmedsfact.pdf>] (U.S. Preventive Services Task Force) - PDF
- MedlinePlus: Mammography [<http://www.nlm.nih.gov/medlineplus/mammography.html>] **NIH** (National Library of Medicine)
Also available in Spanish [<http://www.nlm.nih.gov/medlineplus/spanish/mammography.html>]
- Prophylactic Oophorectomy: Preventing Cancer by Surgically Removing Your Ovaries [<http://www.mayoclinic.org/tests-procedures/oophorectomy/in-depth/breast-cancer/ART-20047337?p=1>] (Mayo Foundation for Medical Education and Research)
- Reducing the Risk of Breast Cancer with Medicine: A Guide for Women [<http://effectivehealthcare.ahrq.gov/index.cfm/search-for-guides-reviews-and-reports/?pageaction=displayproduct&productID=389&returnpage=>] (Agency for Healthcare Research and Quality)
Also available in Spanish [<http://www.effectivehealthcare.ahrq.gov/index.cfm/search-for-guides-reviews-and-reports/?pageaction=displayproduct&productid=507>]
- Surgery to Reduce the Risk of Breast Cancer [<http://www.cancer.gov/cancertopics/factsheet/Therapy/risk-reducing-surgery>] **NIH** (National Cancer

Institute)

- What Are the Risk Factors for Breast Cancer? [<http://www.cancer.org/cancer/breastcancer/detailedguide/breast-cancer-risk-factors>] (American Cancer Society)

Alternative Therapy

- Integrative and Complementary Therapies [http://www5.komen.org/uploadedFiles/Content_Binaries/806-397.pdf] (Susan G. Komen for the Cure) - PDF

Nutrition

- Nutrition [<http://www.lbbc.org/Understanding-Breast-Cancer/Beyond-the-Basics/Quality-of-Life-Issues/Nutrition>] (Living Beyond Breast Cancer)

Coping

- Coping with a Cancer Diagnosis [http://www5.komen.org/uploadedFiles/Content_Binaries/806-383a.pdf] (Susan G. Komen for the Cure) - PDF
Also available in Spanish [http://www5.komen.org/uploadedFiles/Content_Binaries/806-382-SP.pdf]
- For Women Facing a Breast Biopsy [<http://www.cancer.org/treatment/understandingyourdiagnosis/examsandtestdescriptions/forwomenfacingabreastbiopsy/breast-biopsy-intro>] (American Cancer Society)
Also available in Spanish [<http://www.cancer.org/Espanol/servicios/Comocomprendersudiagnostico/fragmentado/para-la-mujer-que-afrenta-una-biopsia-del-seno-intro>]
- Genetic Testing for Breast Cancer: Psychological and Social Impact [<http://www.mayoclinic.org/diseases-conditions/breast-cancer/in-depth/genetic-testing/ART-20047563?p=1>] (Mayo Foundation for Medical Education and Research)
- Life After Treatment [http://www5.komen.org/uploadedfiles/Content_Binaries/806-03160.pdf] (Susan G. Komen for the Cure) - PDF
- Your Body After Breast Cancer [<http://www.cancer.org/cancer/news/features/your-body-after-breast-cancer>] (American Cancer Society)

Disease Management

- Lifestyle Changes After Breast Cancer Treatment [<http://www.cancer.org/cancer/breastcancer/detailedguide/breast-cancer-after-lifestyle-changes>] (American Cancer Society)
- Sleeping Problems: Insomnia and Fatigue [<http://www.lbbc.org/Understanding-Breast-Cancer/Beyond-the-Basics/Symptoms-and-Side-Effects/Insomnia-and-Fatigue>] (Living Beyond Breast Cancer)
- What Happens After Treatment for Breast Cancer? [<http://www.cancer.org/cancer/breastcancer/detailedguide/breast-cancer-after-follow-up>] (American Cancer Society)

Specific Conditions

- Breast Cancer - Metaplastic [<http://www.cancer.net/cancer-types/breast-cancer-metaplastic>] (American Society of Clinical Oncology)
- Breast Cancer -- Inflammatory [<http://www.cancer.net/cancer-types/breast-cancer-inflammatory>] (American Society of Clinical Oncology)
- Ductal Carcinoma in Situ (DCIS) [<http://www.mayoclinic.org/diseases-conditions/dcis/basics/definition/CON-20031842?p=1>] (Mayo Foundation for Medical Education and Research)
- Guide to Understanding Triple-Negative Breast Cancer [<http://www.lbbc.org/Understanding-Breast-Cancer/Guides-to-Understanding-Breast-Cancer/Guide-to-Understanding-Triple-Negative-Breast-Cancer>] (Living Beyond Breast Cancer) - PDF
- Inflammatory Breast Cancer [<http://www.cancer.gov/cancertopics/factsheet/Sites-Types/IBC>] **NIH** (National Cancer Institute)

- Also available in Spanish [<http://www.cancer.gov/espanol/recursos/hojas-informativas/tipos/seno-inflamatorio-respuestas>]
- Invasive Ductal Carcinoma [<http://www.cap.org/apps/docs/reference/myBiopsy/BreastInvasiveDuctalCarcinoma.pdf>] (College of American Pathologists) - PDF
 - Invasive Lobular Carcinoma [<http://www.cap.org/apps/docs/reference/myBiopsy/BreastInvasiveLobularCarcinoma.pdf>] (College of American Pathologists) - PDF
 - Lobular Carcinoma In Situ (LCIS) [<http://www.mayoclinic.org/diseases-conditions/lobular-carcinoma-in-situ/basics/definition/CON-20031788?p=1>] (Mayo Foundation for Medical Education and Research)
 - Paget Disease of the Breast [<http://www.cancer.gov/cancertopics/factsheet/Sites-Types/paget-breast>] **NIH** (National Cancer Institute)
Also available in Spanish [<http://www.cancer.gov/espanol/recursos/hojas-informativas/tipos/paget-seno>]
 - Recurrent Breast Cancer [<http://www.mayoclinic.org/diseases-conditions/recurrent-breast-cancer/basics/definition/CON-20032432?p=1>] (Mayo Foundation for Medical Education and Research)
 - Triple Negative Breast Cancer [http://ww5.komen.org/uploadedFiles/Content_Binaries/KOMEED079100.pdf] (Susan G. Komen for the Cure) - PDF
 - Types of Breast Cancers [<http://www.cancer.org/cancer/breastcancer/detailedguide/breast-cancer-breast-cancer-types>] (American Cancer Society)

Related Issues

- Abortion, Miscarriage, and Breast Cancer Risk [<http://www.cancer.gov/cancertopics/factsheet/Risk/abortion-miscarriage>] **NIH** (National Cancer Institute)
- Antiperspirants/Deodorants and Breast Cancer [<http://www.cancer.gov/cancertopics/factsheet/Risk/AP-Deo>] **NIH** (National Cancer Institute)
Also available in Spanish [<http://www.cancer.gov/espanol/cancer/hojas-informativas/antitranspirantes-desodorantes>]
- Axillary Lymph Nodes and Breast Cancer [http://ww5.komen.org/uploadedFiles/Content_Binaries/806-392a.pdf] (Susan G. Komen for the Cure) - PDF
Also available in Spanish [http://ww5.komen.org/uploadedFiles/Content_Binaries/806-392-SP.pdf]
- Breast Cancer and Bone Loss [<http://www.hormone.org/questions-and-answers/2010/breast-cancer-and-bone-loss>] (Hormone Health Network)
- Breast Cancer and Women with Disabilities [<http://www.cdc.gov/Features/BreastCancerDisabilities/>] (Centers for Disease Control and Prevention)
Also available in Spanish [<http://www.cdc.gov/spanish/especialesCDC/DerechoDeSaber/>]
- Diethylstilbestrol (DES) and Cancer [<http://www.cancer.gov/cancertopics/factsheet/Risk/DES>] **NIH** (National Cancer Institute)
- Do We Know What Causes Breast Cancer? [<http://www.cancer.org/cancer/breastcancer/detailedguide/breast-cancer-what-causes>] (American Cancer Society)
- Lymphedema: What Every Woman with Breast Cancer Should Know [<http://www.cancer.org/acs/groups/cid/documents/webcontent/002876-pdf.pdf>] (American Cancer Society) - PDF
- Menopausal Hormone Therapy and Cancer [<http://www.cancer.gov/cancertopics/factsheet/Risk/menopausal-hormones>] **NIH** (National Cancer Institute)
Also available in Spanish [<http://www.cancer.gov/espanol/hojasinformativas/hormonas-menopausia>]
- Oral Contraceptives and Cancer Risk [<http://www.cancer.gov/cancertopics/factsheet/Risk/oral-contraceptives>] **NIH** (National Cancer Institute)
Also available in Spanish [<http://www.cancer.gov/espanol/recursos/hojas-informativas/riesgo-causas/pildoras-anticonceptivas-riesgo>]
- Protect Yourself from Breast Cancer [http://www.cdc.gov/cancer/breast/basic_info/infographic.htm] (Centers for Disease Control and Prevention)
- Questions and Answers about Breast Cancer, Bone Metastases, and Treatment-Related Osteoporosis [http://www.boneandcancerfoundation.org/pdfs/Breast_Cancer_Q+A.pdf] (Bone and Cancer Foundation) - PDF
- Questions to Ask Your Doctor [<http://mbcn.org/education/category/questions-to-ask-your-doctor/>] (Metastatic Breast Cancer Network)
- Reproductive History and Breast Cancer Risk [<http://www.cancer.gov/cancertopics/factsheet/Risk/reproductive-history>] **NIH** (National Cancer Institute)
Also available in Spanish [<http://www.cancer.gov/espanol/hojasinformativas/antecedentes-reproduccion>]

- Sexuality After Breast Cancer [<http://www.cancer.org/cancer/breastcancer/detailedguide/breast-cancer-after-sexuality>] (American Cancer Society)
Also available in Spanish [<http://www.cancer.org/Espanol/cancer/cancerdeseno/Guiadetalhada/cancer-de-seno-despues-sexualidad>]
- What Breast Cancer Survivors Need to Know about Osteoporosis
[http://www.niams.nih.gov/Health_Info/Bone/Osteoporosis/Conditions_Behaviors/osteoporosis_breast_cancer.asp] **NIH** (National Institute of Arthritis and Musculoskeletal and Skin Diseases)
- Young Women and Breast Cancer [http://ww5.komen.org/uploadedFiles/Content_Binaries/806-352a.pdf] (Susan G. Komen for the Cure) - PDF
Also available in Spanish [http://ww5.komen.org/uploadedFiles/Content_Binaries/806-352-SP.pdf]

Health Check Tools

- Breast Cancer Risk Questionnaire [<http://www.yourdiseaserisk.siteman.wustl.edu/YDRDefault.aspx?ScreenControl=YDRQuiz&ScreenName=YDRbreast>] (Siteman Cancer Center)

Tutorials

- Breast Cancer [<http://nihseniorhealth.gov/breastcancer/breastcancerdefined/01.html>] **NIHSeniorHealth** (National Cancer Institute)
- Breast Cancer [<http://www.nlm.nih.gov/medlineplus/tutorials/breastcancer/htm/index.htm>] (Patient Education Institute)
Also available in Spanish [<http://www.nlm.nih.gov/medlineplus/spanish/tutorials/breastcancerspanish/htm/index.htm>]
- Breast Lumps - Biopsy [<http://www.nlm.nih.gov/medlineplus/tutorials/breastlumpsbiopsy/htm/index.htm>] (Patient Education Institute)
Also available in Spanish [<http://www.nlm.nih.gov/medlineplus/spanish/tutorials/breastlumpsbiopsyspanish/htm/index.htm>]

Videos

- Breast Cancer Treatment [<http://www.orlive.com/jeffersonhospitals/videos/breast-cancer-treatment?view=displayPageNLM>] (OR-Live) - Thomas Jefferson University Hospital, Philadelphia, PA, 10/18/2007
- Four Methods of Treating Breast Cancer [http://nihseniorhealth.gov/breastcancer/standardtreatments/video/bc4_na_intro.html] **NIHSeniorHealth** (National Cancer Institute)
- Genetic Risk Factors [http://nihseniorhealth.gov/breastcancer/causesandriskfactors/video/bc2_na.html] **NIHSeniorHealth** (National Cancer Institute)
- If I Had - A Family History of Breast Cancer
[http://www.insidermedicine.com/archives/VIDEO_If_I_Had_A_Family_History_of_Breast_Cancer_Dr_William_Goodson_MD_California_Pacific_Medical_Center_Research_Institute_3335.aspx] (Insidermedicine)
- If I Had - A Lump in My Breast and Needed an Ultrasound Evaluation
[http://www.insidermedicine.com/archives/VIDEO_If_I_Had_A_Lump_in_My_Breast_And_Needed_An_Ultrasound_in_Evaluation_Dr_Lee_Wilke_MD_Duke_University_School_of_Medicine_3411.aspx] (Insidermedicine)
- If I Had - A New Lump in My Breast
[http://www.insidermedicine.com/archives/VIDEO_If_I_Had_A_New_Lump_in_My_Breast_Dr_Sarah_A_McLaughlin_MD_Mayo_Clinic_3315.aspx] (Insidermedicine)
- If I Had - Breast Cancer and Required Evaluation with Molecular Testing
[http://www.insidermedicine.com/archives/VIDEO_If_I_Had_Breast_Cancer_and_Required_Evaluation_with_Molecular_Testing_Dr_Gretchen_Kimmick_MD_MS_Duke_University_School_of_Medicine_3345.aspx] (Insidermedicine)
- If I Had - Breast Cancer and Was in Remission
[http://www.insidermedicine.com/archives/VIDEO_If_I_Had_Breast_Cancer_And_Was_In_Remission_Dr_William_Goodson_MD_California_Pacific_M]

edical_Center_Research_Institute_3561.aspx] (Insidermedicine)

- If I Had - Breast Cancer in One Breast and Had Concerns About the Other Breast [http://www.insidermedicine.com/archives/VIDEO_If_I_Had_Breast_Cancer_in_One_Breast_and_Had_Concerns_About_the_Other_Breast_Dr_Gretchen_Kimmick_MD_MS_Duke_University_School_of_Medicine_3319.aspx] (Insidermedicine)
- If I Had - Metastatic Breast Cancer [http://www.insidermedicine.com/archives/VIDEO_If_I_Had_Metastatic_Breast_Cancer_Dr_Susan_Love_MD_David_Geffen_School_of_Medicine_at_UCLA_3265.aspx] (Insidermedicine)
- If I Had - Unilateral Nipple Discharge [http://www.insidermedicine.com/archives/VIDEO_If_I_Had_Unilateral_Nipple_Discharge_Dr_Sarah_A_McLaughlin_MD_Mayo_Clinic_3404.aspx] (Insidermedicine)
- Lymphatics and the breast [http://www.nlm.nih.gov/medlineplus/ency/anatomyvideos/000084.htm] - Encyclopedia
Also available in Spanish [http://www.nlm.nih.gov/medlineplus/spanish/ency/anatomyvideos/000084.htm]

Anatomy/Physiology

- Understanding Cancer Series: Estrogen Receptors/SERMs [http://www.cancer.gov/cancertopics/understandingcancer/estrogenreceptors] **NIH** (National Cancer Institute)

Financial Issues

- Insurance and Other Financial Issues Related to Breast Cancer Care [http://ww5.komen.org/BreastCancer/InsuranceandOtherFinancialIssues.html] (Susan G. Komen for the Cure)
- Paying for Breast Cancer Screening [http://www.cancer.org/cancer/breastcancer/moreinformation/breastcancerearlydetection/breast-cancer-early-detection-paying-for-br-ca-screening] (American Cancer Society)

Clinical Trials

- ClinicalTrials.gov. Breast Neoplasms [http://clinicaltrials.gov/search/open/condition=%22Breast+Neoplasms%22] **NIH** (National Institutes of Health)
- ClinicalTrials.gov. Carcinoma, Ductal, Breast [http://clinicaltrials.gov/search/open/condition=%22Carcinoma,+Ductal,+Breast%22] **NIH** (National Institutes of Health)
- ClinicalTrials.gov. Inflammatory Breast Neoplasms [http://clinicaltrials.gov/search/open/condition=%22Inflammatory+Breast+Neoplasms%22] **NIH** (National Institutes of Health)

Genetics

- BRCA1 and BRCA2: Cancer Risk and Genetic Testing [http://www.cancer.gov/cancertopics/factsheet/Risk/BRCA] **NIH** (National Cancer Institute)
- Breast and Ovarian Cancer and Family History Risk Categories [http://www.cdc.gov/genomics/resources/diseases/breast_ovarian_cancer/risk_categories.htm] (Centers for Disease Control and Prevention)
- Breast and Ovarian Cancer and Increased Risk Family History Patterns [http://www.cdc.gov/genomics/resources/diseases/breast_ovarian_cancer/history_patterns.htm] (Centers for Disease Control and Prevention)
- Genetic Counseling and Evaluation for BRCA1/2 Testing [http://www.cdc.gov/genomics/resources/diseases/breast_ovarian_cancer/counseling.htm] (Centers for Disease Control and Prevention)
- Genetics Home Reference: Breast cancer [http://ghr.nlm.nih.gov/condition/breast-cancer] **NIH** (National Library of Medicine)

- Genetics Home Reference: Li-Fraumeni syndrome [<http://ghr.nlm.nih.gov/condition/li-fraumeni-syndrome>] **NIH** (National Library of Medicine)
- Hereditary Breast and Ovarian Cancer [<http://www.cdc.gov/Features/HereditaryCancer/>] (Centers for Disease Control and Prevention)
- Learning about Breast Cancer [<http://www.genome.gov/10000507>] **NIH** (National Human Genome Research Institute)

Research

- Breast Cancer [<http://report.nih.gov/NIHfactsheets/ViewFactSheet.aspx?csid=73>] **NIH** (National Cancer Institute)
- Breast Cancer and the Environment [http://www.iom.edu/~media/Files/Report%20Files/2011/Breast-Cancer-Environment/IOM_breastcancer_QandA.pdf] (Institute of Medicine) - PDF
- Breast Cancer Patients with High Density Mammograms Do Not Have Increased Risk of Death [<http://www.nih.gov/news/health/sep2012/nci-06.htm>] **NIH** (National Cancer Institute)
- Do Women with Breast Cancer Overestimate Their Risk for Cancer in the Unaffected Breast? [<http://annals.org/data/Journals/AIM/927611/0000605-201309170-00001.pdf>] (American College of Physicians) - PDF
- For Some Breast Cancers, New Drug May Be Treatment Option [<http://www.cancer.gov/clinicaltrials/results/summary/2012/EMILIA0612>] **NIH** (National Cancer Institute)
- Sister Study: A Study of the Environmental and Genetic Risk Factors for Breast Cancer [<http://sisterstudy.niehs.nih.gov/English/index1.htm>] **NIH** (National Institute of Environmental Health Sciences)
- Ten Years of Tamoxifen Reduces Breast Cancer Recurrences, Improves Survival [<http://www.cancer.gov/clinicaltrials/results/summary/2013/tamoxifen-10yrs0313>] **NIH** (National Cancer Institute)
- Treatment Options for HER2-Positive Breast Cancer Expand and Evolve [<http://www.cancer.gov/ncicancerbulletin/101612/page2>] **NIH** (National Cancer Institute)
Also available in Spanish [<http://www.cancer.gov/espanol/noticias/boletin/110612/page2>]
- What's New in Breast Cancer Research and Treatment? [<http://www.cancer.org/cancer/breastcancer/detailedguide/breast-cancer-new-research>] (American Cancer Society)
- Women with Breast Cancer Micrometastases in Their Sentinel Lymph Nodes May Not Need Axillary Dissection [<http://www.cancer.gov/clinicaltrials/results/summary/2013/axillarydissection0413>] **NIH** (National Cancer Institute)

Journal Articles

References and abstracts from MEDLINE/PubMed (National Library of Medicine)

- Article: JAMA patient page. Tamoxifen update. [<http://www.ncbi.nlm.nih.gov/pubmed/23982384?tool=MedlinePlus>]
- Article: Characteristics associated with differences in survival among black and white... [<http://www.ncbi.nlm.nih.gov/pubmed/23917289?tool=MedlinePlus>]
- Article: Contralateral prophylactic mastectomy for breast cancer: addressing peace of mind. [<http://www.ncbi.nlm.nih.gov/pubmed/23907558?tool=MedlinePlus>]
- Breast Cancer -- see more articles [[http://www.ncbi.nlm.nih.gov/pubmed?term=breast+neoplasms\[majr\]+NOT+\(breast+neoplasms/genetics\[mh\]+OR+mass+screening\[mh\]+OR+breast+neoplasms,male\[mh\]\)+AND+humans\[mh\]+AND+english\[la\]+AND+\(patient+education+handout\[pt\]+OR+guideline\[pt\]+OR+clinical+trial\[pt\]+OR+jsubsetk\[text\]+OR+jsubsetaim\[text\]+OR+jsubsetn\[text\]\)+NOT+\(letter\[pt\]+OR+case+reports\[pt\]+OR+editorial\[pt\]\)+AND+%22last+1+Year%22\[edat\]&tool=MedlinePlus](http://www.ncbi.nlm.nih.gov/pubmed?term=breast+neoplasms[majr]+NOT+(breast+neoplasms/genetics[mh]+OR+mass+screening[mh]+OR+breast+neoplasms,male[mh])+AND+humans[mh]+AND+english[la]+AND+(patient+education+handout[pt]+OR+guideline[pt]+OR+clinical+trial[pt]+OR+jsubsetk[text]+OR+jsubsetaim[text]+OR+jsubsetn[text])+NOT+(letter[pt]+OR+case+reports[pt]+OR+editorial[pt])+AND+%22last+1+Year%22[edat]&tool=MedlinePlus)]
- Genetics of Breast Cancer -- see more articles [[http://www.ncbi.nlm.nih.gov/pubmed?term=breast+neoplasms/genetics\[majr\]+NOT+breast+neoplasms,male\[mh\]+AND+humans\[mh\]+AND+english\[la\]+AND+](http://www.ncbi.nlm.nih.gov/pubmed?term=breast+neoplasms/genetics[majr]+NOT+breast+neoplasms,male[mh]+AND+humans[mh]+AND+english[la]+AND+)

(patient+education+handout[pt]+OR+jsubsetk[text]+OR+jsubsetaim[text]+OR+jsubsetn[text])+NOT+(letter[pt]+OR+editorial[pt]+OR+case+reports[pt])+AND+%22last+1+Year%22[edat]&tool=MedlinePlus]

- Paget's Disease of Breast -- see more articles [[http://www.ncbi.nlm.nih.gov/pubmed?term=paget's+disease,mammary\[mh\]+AND+english\[la\]+AND+humans\[mh\]+NOT+\(letter\[pt\]+OR+editorial\[pt\]\)+AND+%22last+1+Year%22\[edat\]&tool=MedlinePlus](http://www.ncbi.nlm.nih.gov/pubmed?term=paget's+disease,mammary[mh]+AND+english[la]+AND+humans[mh]+NOT+(letter[pt]+OR+editorial[pt])+AND+%22last+1+Year%22[edat]&tool=MedlinePlus)]

Dictionaries/Glossaries

- Breast Cancer Types: What Your Type Means [<http://www.mayoclinic.org/diseases-conditions/breast-cancer/in-depth/breast-cancer/ART-20045654?p=1>] (Mayo Foundation for Medical Education and Research)
- Deciphering Medspeak: Breast Cancer [http://www.mlanet.org/pdf/breast_cancer_final.pdf] (Medical Library Association) - PDF
- Dictionary of Cancer Terms [<http://www.cancer.gov/dictionary/>] **NIH** (National Cancer Institute)
Also available in Spanish [<http://www.cancer.gov/diccionario>]

Directories

- Find a Radiation Oncologist [<http://www.rtanswers.org/resources/index.aspx>] (American Society for Radiation Oncology)
- Find an Oncologist [<http://www.cancer.net/all-about-cancer/newly-diagnosed/find-oncologist/find-oncologist-database>] (American Society of Clinical Oncology)
- National Breast and Cervical Cancer Early Detection Program (NBCCEDP): Find a Screening Provider Near You [<http://www.cdc.gov/cancer/nbccedp/screenings.htm>] (Centers for Disease Control and Prevention)
- Organizations That Offer Support Services [<http://supportorgs.cancer.gov/home.aspx>] **NIH** (National Cancer Institute)

Organizations

- American Cancer Society [<http://www.cancer.org/>]
- National Cancer Institute [<http://www.cancer.gov/>] **NIH**
Also available in Spanish [<http://www.cancer.gov/espanol>]

Law and Policy

- Breast and Cervical Cancer Prevention and Treatment Act of 2000 [<http://www.cdc.gov/cancer/nbccedp/legislation/law106-354.htm>] (Centers for Disease Control and Prevention)
- Women's Health and Cancer Rights Act [https://www.cms.gov/Regulations-and-Guidance/Health-Insurance-Reform/HealthInsReformforConsume/downloads/WHCRA_Helpful_Tips_2010_06_14.pdf] (Centers for Medicare & Medicaid Services) - PDF

Statistics

- Breast Cancer Death Rates Down 34% Since 1990 [<http://www.cancer.org/cancer/news/news/report-breast-cancer-death-rates-down-34-since-1990>] (American Cancer Society)
- Breast Cancer Rates by Race and Ethnicity [<http://www.cdc.gov/cancer/breast/statistics/race.htm>] (Centers for Disease Control and Prevention)
- Breast Cancer Rates by State [<http://www.cdc.gov/cancer/breast/statistics/state.htm>] (Centers for Disease Control and Prevention)
- Breast Cancer Risk in American Women [<http://www.cancer.gov/cancertopics/factsheet/detection/probability-breast-cancer>] **NIH** (National Cancer Institute)

- Breast Cancer Trends [<http://www.cdc.gov/cancer/breast/statistics/trends.htm>] (Centers for Disease Control and Prevention)
- CDC Vital Signs: Breast Cancer [<http://www.cdc.gov/vitalsigns/BreastCancer/>] (Centers for Disease Control and Prevention)

MedlinePlus Magazine

- 6 Common Cancers - Breast Cancer [<http://www.nlm.nih.gov/medlineplus/magazine/issues/spring07/articles/spring07pg9.html>] **NIH**
- All in the Family: The Sister Study [<http://www.nlm.nih.gov/medlineplus/magazine/issues/fall06/articles/fall06pg23.html>] **NIH**
- Braving Breast Cancer: Just Do It! [<http://www.nlm.nih.gov/medlineplus/magazine/issues/sprsum10/articles/sprsum10pg20-21.html>] **NIH**
- Breast Cancer Basics and You: Detection and Diagnosis [<http://www.nlm.nih.gov/medlineplus/magazine/issues/sprsum10/articles/sprsum10pg18.html>] **NIH**
- Breast Cancer Basics and You: Introduction [<http://www.nlm.nih.gov/medlineplus/magazine/issues/sprsum10/articles/sprsum10pg17.html>] **NIH**
- Breast Cancer Basics and You: Staging and Treatment [<http://www.nlm.nih.gov/medlineplus/magazine/issues/sprsum10/articles/sprsum10pg19.html>] **NIH**
- Breast Cancer: Match of Her Life [<http://www.nlm.nih.gov/medlineplus/magazine/issues/sprsum10/articles/sprsum10pg16.html>] **NIH**
- Can Prolonged Stress Affect Whether Breast Cancer Returns? [<http://www.nlm.nih.gov/medlineplus/magazine/issues/winter08/articles/winter08pg6b.html>] **NIH**
- Preventing Breast Cancer: Making Progress [<http://www.nlm.nih.gov/medlineplus/magazine/issues/fall06/articles/fall06pg24-25.html>] **NIH**
- Quiz: How Much Do You Know about Breast Cancer? [<http://www.nlm.nih.gov/medlineplus/magazine/issues/sprsum10/articles/sprsum10pg22.html>] **NIH**
- The Sister Study: Breast Cancer as a Family Affair: One Sister's Story [<http://www.nlm.nih.gov/medlineplus/magazine/issues/fall06/articles/fall06pg22-25.html>] **NIH**

Children

- Breast Cancer [http://kidshealth.org/kid/growup/conditions/breast_cancer.html] (Nemours Foundation)
Also available in Spanish [http://kidshealth.org/kid/en_espanol/enfermadades/breast_cancer_esp.html]

Teenagers

- Is Breast Cancer a Threat in the Teen Years? (For Parents) [http://kidshealth.org/parent/question/general/breast_exams.html] (Nemours Foundation)
Also available in Spanish [http://kidshealth.org/parent/en_espanol/preguntas/breast_exams_esp.html]

Men

- MedlinePlus: Male Breast Cancer [<http://www.nlm.nih.gov/medlineplus/malebreastcancer.html>] **NIH** (National Library of Medicine)
Also available in Spanish [<http://www.nlm.nih.gov/medlineplus/spanish/malebreastcancer.html>]

Seniors

- Breast Cancer [<http://nihseniorhealth.gov/breastcancer/breastcancerdefined/01.html>] **NIHSeniorHealth** (National Cancer Institute)

Patient Handouts

- After chemotherapy - discharge [<http://www.nlm.nih.gov/medlineplus/ency/patientinstructions/000012.htm>]

- Also available in Spanish [<http://www.nlm.nih.gov/medlineplus/spanish/ency/patientinstructions/000012.htm>]
- Breast biopsy – stereotactic [<http://www.nlm.nih.gov/medlineplus/ency/article/007433.htm>]
Also available in Spanish [<http://www.nlm.nih.gov/medlineplus/spanish/ency/article/007433.htm>]
- Breast biopsy – ultrasound [<http://www.nlm.nih.gov/medlineplus/ency/article/007432.htm>]
Also available in Spanish [<http://www.nlm.nih.gov/medlineplus/spanish/ency/article/007432.htm>]
- Breast cancer [<http://www.nlm.nih.gov/medlineplus/ency/article/000913.htm>]
Also available in Spanish [<http://www.nlm.nih.gov/medlineplus/spanish/ency/article/000913.htm>]
- Breast lump [<http://www.nlm.nih.gov/medlineplus/ency/article/003155.htm>]
Also available in Spanish [<http://www.nlm.nih.gov/medlineplus/spanish/ency/article/003155.htm>]
- Breast MRI scan [<http://www.nlm.nih.gov/medlineplus/ency/article/007360.htm>]
Also available in Spanish [<http://www.nlm.nih.gov/medlineplus/spanish/ency/article/007360.htm>]
- Breast PET scan [<http://www.nlm.nih.gov/medlineplus/ency/article/007469.htm>]
Also available in Spanish [<http://www.nlm.nih.gov/medlineplus/spanish/ency/article/007469.htm>]
- Breast radiation - discharge [<http://www.nlm.nih.gov/medlineplus/ency/patientinstructions/000056.htm>]
Also available in Spanish [<http://www.nlm.nih.gov/medlineplus/spanish/ency/patientinstructions/000056.htm>]
- Breast self exam [<http://www.nlm.nih.gov/medlineplus/ency/article/001993.htm>]
Also available in Spanish [<http://www.nlm.nih.gov/medlineplus/spanish/ency/article/001993.htm>]
- Breast ultrasound [<http://www.nlm.nih.gov/medlineplus/ency/article/003379.htm>]
Also available in Spanish [<http://www.nlm.nih.gov/medlineplus/spanish/ency/article/003379.htm>]
- Chest radiation - discharge [<http://www.nlm.nih.gov/medlineplus/ency/patientinstructions/000057.htm>]
Also available in Spanish [<http://www.nlm.nih.gov/medlineplus/spanish/ency/patientinstructions/000057.htm>]
- Lymphedema [<http://www.nlm.nih.gov/medlineplus/ency/patientinstructions/000045.htm>]
Also available in Spanish [<http://www.nlm.nih.gov/medlineplus/spanish/ency/patientinstructions/000045.htm>]
- Mammography [<http://www.nlm.nih.gov/medlineplus/ency/article/003380.htm>]
Also available in Spanish [<http://www.nlm.nih.gov/medlineplus/spanish/ency/article/003380.htm>]
- Understanding Chemotherapy [<http://www.cancer.gov/cancertopics/coping/chemo-side-effects/understandingchemo.pdf>] **NIH Easy-to-Read** (National Cancer Institute) - PDF
- What to Know about Brachytherapy (A Type of Internal Radiation Therapy) [<http://www.cancer.gov/cancertopics/coping/radiation-side-effects/brachytherapy.pdf>] **NIH Easy-to-Read** (National Cancer Institute) - PDF
- What to Know about External Beam Radiation Therapy [<http://www.cancer.gov/cancertopics/coping/radiation-side-effects/ebrt.pdf>] **NIH Easy-to-Read** (National Cancer Institute) - PDF

You may also be interested in these related encyclopedia pages:

- After chemotherapy - discharge [<http://www.nlm.nih.gov/medlineplus/ency/patientinstructions/000012.htm>]
- Breast biopsy – stereotactic [<http://www.nlm.nih.gov/medlineplus/ency/article/007433.htm>]
- Breast biopsy – ultrasound [<http://www.nlm.nih.gov/medlineplus/ency/article/007432.htm>]
- Breast cancer [<http://www.nlm.nih.gov/medlineplus/ency/article/000913.htm>]
- Breast lump [<http://www.nlm.nih.gov/medlineplus/ency/article/003155.htm>]
- Breast lump removal - slideshow [http://www.nlm.nih.gov/medlineplus/ency/presentations/100003_1.htm]
- Breast MRI scan [<http://www.nlm.nih.gov/medlineplus/ency/article/007360.htm>]

- Breast PET scan [<http://www.nlm.nih.gov/medlineplus/ency/article/007469.htm>]
- Breast radiation - discharge [<http://www.nlm.nih.gov/medlineplus/ency/patientinstructions/000056.htm>]
- Breast self exam [<http://www.nlm.nih.gov/medlineplus/ency/article/001993.htm>]
- Breast ultrasound [<http://www.nlm.nih.gov/medlineplus/ency/article/003379.htm>]
- Chest radiation - discharge [<http://www.nlm.nih.gov/medlineplus/ency/patientinstructions/000057.htm>]
- Cytology exam of pleural fluid [<http://www.nlm.nih.gov/medlineplus/ency/article/003866.htm>]
- Lymphatics and the breast [<http://www.nlm.nih.gov/medlineplus/ency/anatomyvideos/000084.htm>]
- Lymphedema [<http://www.nlm.nih.gov/medlineplus/ency/patientinstructions/000045.htm>]
- Mammography [<http://www.nlm.nih.gov/medlineplus/ency/article/003380.htm>]

You may also be interested in these related MedlinePlus topics:

- Breast Diseases [<http://www.nlm.nih.gov/medlineplus/breastdiseases.html>]
- Breast Reconstruction [<http://www.nlm.nih.gov/medlineplus/breastreconstruction.html>]
- Male Breast Cancer [<http://www.nlm.nih.gov/medlineplus/malebreastcancer.html>]
- Mammography [<http://www.nlm.nih.gov/medlineplus/mammography.html>]
- Mastectomy [<http://www.nlm.nih.gov/medlineplus/mastectomy.html>]
- Cancers [<http://www.nlm.nih.gov/medlineplus/cancers.html>]
- Female Reproductive System [<http://www.nlm.nih.gov/medlineplus/femalereproductivesystem.html>]
- Women [<http://www.nlm.nih.gov/medlineplus/women.html>]

The primary NIH organization for research on *Breast Cancer* is the National Cancer Institute [<http://www.nci.nih.gov/>]

Breast Cancer - Multiple Languages [<http://www.nlm.nih.gov/medlineplus/languages/breastcancer.html>]

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