

[Skip to main content](#)

Cornell University

[New](#) [Program](#) [Learning](#) [Resources](#) [Events](#) [Maps](#) [&](#) [Stats](#) [Research](#) [Resources](#) [BCERF](#) [Research](#)**SPRECHER**  
**INSTITUTE**  
for Comparative  
Cancer Research

## Breast Feeding and Breast Cancer Risk Bibliography

This bibliography is provided as a service to our readers. It is compiled from the entries in the [BCERF Environmental Risk Factors Bibliographic Database](#).

This bibliography is arranged topically. The topics include:

- [Review articles on the influence of breast-feeding on breast cancer risk](#)
- [Cohort studies](#)
- [Case-control studies](#)
- [Studies on breast cancer incidence of breast cancer in breast-fed babies](#)
- [Studies on breast-feeding and breast cancer survival](#)
- [Other health considerations of breast-feeding for both the mother and the baby](#)
- [Additional sources for mothers](#)
- [Articles on chemical contamination of breast milk](#)

---

### Review articles on the influence of breast-feeding on breast cancer risk

Bedinghaus, J. M. (1997). Care of the breast and support of breast-feeding. *Primary Care* 24, 147-160.

Fein, S. B., and Roe, B. (1998). The effect of work status on initiation and duration of breast-feeding. *American Journal of Public Health* 88, 1042-1046.

Kvale, G. (1992). Reproductive factors in breast cancer epidemiology. *Acta Oncologica* 31, 187-194.

Reimer, D. E. (1996). Effect of breast-feeding on risk of breast cancer. *Canadian Medical Association Journal* 155, 861.

Smigel, K. L. (1988). Breast-feeding linked to decreased cancer risk for mother, child. *Journal of the National Cancer Institute* 17, 1362-1363.

[Back to top](#)

### Cohort studies

Kvale, G., and Heuch, I. (1987). Lactation and cancer risk: is there a relations specific to breast cancer? *Journal of Epidemiology and Community Health* 42, 30-37.

London, S. J., Colditz, G. A., Stampfer, M. J., Willett, W. C., Rosner, B. A., Corsano, K., and Speizer, F. E. (1990). Lactation and risk of breast cancer in a cohort of US women. *American Journal of Epidemiology* 132, 17-26.

Michels, K. B., Willett, W. C., Rosner, B. A., Manson, J. E., Hunter, D. J., Colditz, G. A., Hankinson, S. E., and Speizer, F. E. (1996). Prospective assessment of breastfeeding and breast cancer incidence among 89,877 women. *The Lancet* 347, 431-436.

[Back to top](#)

### Case-control studies

Adami, H. O., Bergstrom, R., Lund, E., and Meirik, O. (1990). Absence of association between reproductive variables and

the risk of breast cancer in young women in Sweden and Norway. *British Journal of Cancer* 62, 122-126.

Brignone, G., Cusimano, R., Dardanoni, G., Gugliuzza, M., Lanzarone, F., Scibilia, V., and Dardanoni, L. (1987). A case-control study on breast cancer risk factors in a southern European population. *International Journal of Epidemiology* 16, 356-361.

Brinton, L. A., Potischman, N. A., Swanson, C. A., Schoenberg, J. B., Coates, R. J., Gammon, M. D., Malone, K. E., Stanford, J. L., and Daling, J. R. (1995). Breastfeeding and breast cancer risk. *Cancer Causes and Control* 6, 199-208.

Byers, T., Graham, S., Rzepka, T., and Marshall, J. (1985). Lactation and breast cancer. *American Journal of Epidemiology* 121, 664-674.

Egan, K. M., Stampfer, M. J., Rosner, B. A., Trichopoulos, D., Newcomb, P. A., Trentham-Dietz, A., Longnecker, M. P., Mittendorf, R., Greenberg, E. R., and Willett, W. C. (1998). Risk factors for breast cancer in women with a breast cancer family history. *Cancer Epidemiology, Biomarkers and Prevention* 7, 359-364.

Enger, S. M., Ross, R. K., Henderson, B., and Bernstein, L. (1997). Breastfeeding history, pregnancy experience, and risk of breast cancer. *British Journal of Cancer* 76, 118-123.

Freudenheim, J. L., Marshall, J. R., Vena, J. E., Moysich, K. B., Muti, P., Laughlin, R., Nemoto, T., and Graham, S. (1997). Lactation history and breast cancer risk. *American Journal of Epidemiology* 146, 932-938.

Ing, R., Ho, J. C. H., and Petrakis, N. L. (1977). Unilateral breast-feeding and breast cancer. *Lancet* July 16, 124-127; comment 655-657.

Kalache, A., Vessey, M. P., and MacPherson, K. (1980). Lactation and breast cancer. *British Medical Journal* January 26, 223-224.

Katsouyanni, K., Lipworth, L., Trichopoulou, A., Samilo, E., Stuver, S., and Trichopoulos, D. (1996). A case-control study of lactation and cancer of the breast. *British Journal of Cancer* 73, 814-818.

Lai, F.-M., Chen, P., Ku, H.-C., Lee, M.-S., Chang, S.-C., Chang, T.-M., and Liou, S.-H. (1996). A case-control study of parity, age at first full-term pregnancy, breast feeding and breast cancer in Taiwanese women. *Proceedings of the National Science Council, ROC Part B: Life Sciences* 20, 71-77.

Laing, A. E., Demenais, F. M., Williams, R., Kissling, G., Chen, V. W., and Bonney, G. E. (1993). Breast cancer risk factors in African-American women: the Howard University tumor registry experience. *Journal of the National Medical Association* 85, 931-939.

Layde, P. M., Webster, L. A., Baughman, A. L., Wingo, P. A., Rubin, G. L., Ory, H. W., and The Cancer and Steroid Hormone Study Group (1989). The independent associations of parity, age at first full term pregnancy, and duration of breastfeeding with the risk of breast cancer. *Journal of Clinical Epidemiology*, 963-973.

Lubin, J. H., Burns, P. E., Blot, W. J., Lees, A. W., May, C., Morris, L. E., and Fraumeni, J., J.F. (1982). Risk factors for breast cancer in women in Northern Alberta, Canada, as related to age at diagnosis. *Journal of the National Cancer Institute* 68, 211-217.

MacMahon, B., Purde, M., Cramer, D., and Hint, E. (1982). Association of breast cancer risk with age at first and subsequent births: a study in the population of the Estonian Republic. *Journal of the National Cancer Institute* 69, 1035-1038.

McCredie, M., Paul, C., Skegg, D. C. G., and Williams, S. (1998). Reproductive factors and breast cancer in New Zealand. *International Journal of Cancer* 76, 182-188.

McTiernan, A., and Thomas, D. B. (1986). Evidence for a protective effect of lactation on risk of breast cancer in young women. *American Journal of Epidemiology* 124, 353-358.

Newcomb, P. A., Storer, B. E., Longnecker, M. P., Mittendorf, R., Greenberg, E. R., Clapp, R. W., Burke, K. P., Willett, W. C., and MacMahon, B. (1994). Lactation and a reduced risk of premenopausal breast cancer. *The New England Journal of Medicine* 330, 81-87.

Rao, D. N., Ganesh, B., and Desai, P. B. (1994). Role of reproductive factors in breast cancer in a low-risk area: a case-control study. *British Journal of Cancer* 70, 129-132.

Romieu, I., Hernandez-Avilla, M., Lazcano, E., Lopez, L., and Romero-Jaime, R. (1996). Breast cancer and lactation history in Mexican women. *American Journal of Epidemiology* 143, 543-552.

Rosero-Bixby, L., Oberle, M. W., and Lee, N. C. (1987). Reproductive history and breast cancer in a population of high fertility, Costa Rica, 1984-85. *International Journal of Cancer* 40, 747-754.

Siskind, V., Schofield, F., Rice, D., and Bain, C. (1989). Breast cancer and breastfeeding: results from an Australian case-control study. *American Journal of Epidemiology* 130, 229-236.

Stuver, S. O., Hsieh, C. C., Bertone, E., and Trichopoulos, D. (1997). The association between lactation and breast cancer in an international case-control study: a re-analysis by menopausal status. *International Journal of Cancer* 71, 166-169.

Tao, S.-C., Yu, M. C., Ross, R. K., and Xiu, K.-W. (1988). Risk factors for breast cancer in Chinese women of Beijing. *International Journal of Cancer* 42, 495-498.

Thomas, D. B., Noonan, E. A., and WHO Collaborative Study of Neoplasia and Steroid Contraceptives (1993). Breast cancer and prolonged lactation. *International Journal of Epidemiology* 22, 619-625.

United Kingdom National Case-Control study Group (1993). Breast feeding and risk of breast cancer in young women. *British Medical Journal* 307, 17-20.

Wang, Q.-S., Ross, R. K., Yu, M. C., Ning, J.-P., Henderson, B. E., and Kimm, H. T. (1992). A case-control study of breast cancer in Tianjin, China. *Cancer Epidemiology, Biomarkers and Prevention*. 1, 435-439.

Weiss, H. A., Potischman, N. A., Brinton, L. A., Brogan, D., Coates, R. J., Gammon, M. D., Malone, K. E., and Schoenberg, J. B. (1997). Prenatal and perinatal risk factors for breast cancer in young women. *Epidemiology* 8, 181-187.

Wu, A. H., Ziegler, R. G., Pike, M. C., Nomura, A. M. Y., West, D. W., Kolonel, L. N., Horn-Ross, P. L., Rosenthal, J. F., and Hoover, R. N. (1996). Menstrual and reproductive factors and risk of breast cancer in Asian-Americans. *British Journal of Cancer* 73, 680-686.

Yang, C. P., Weiss, N. S., Band, P. R., Gallagher, R. P., White, E., and Daling, J. R. (1993). History of lactation and breast cancer risk. *American Journal of Epidemiology* 138, 1050-1056.

Yoo, K.-Y., Tajima, K., Kuroishi, T., Hirose, K., Yoshida, M., Miura, S., and Muria, H. (1992). Independent protective effect of lactation against breast cancer: a case-control study in Japan. *American Journal of Epidemiology* 135, 726-732.

Yuan, J.-M., Yu, M. C., Ross, R. K., Gao, Y.-T., and Henderson, B. E. (1988). Risk factors for breast cancer in Chinese women in Shanghai. *Cancer Research* 48, 1949-1953.

[Back to top](#)

### **Studies on breast cancer incidence of breast cancer in breast-fed babies**

Ekbohm, A., Hsieh, C.C., Trichopoulos, D., Yen, Y. Y., Petridou, E., and Adami, H.O. (1993). Breast feeding and breast cancer in the offspring. *British Journal of Cancer* 67, 842 - 845.

Freudenheim, J.L., Marshall, J. R., Grahm, S., Laughlin, R., Vena, J.E., Bandrera, E., Muti, P., Swanson, M., and Nemoto, T. (1994). Exposure to breast milk in infancy and the risk of breast cancer. *Epidemiology* 5, 324- 331.

Saber, A., Dardik, H., Ibrahim, I.M., and Wolodiger, F. (1996). The milk rejection sign: a natural tumor marker. *American Surgeon* 62, 998 - 999.

Senie, R.T. (1982). Possible related risks to breastfeeding. *Journal of Obstetric, Gynecologic and Neonatal Nursing* 11, 34 - 36.

Titus - Ernstoff, L. , Egan, K.M., Newcomb, P.A., Baron, J.A., Stampfer, M., Greenberg, E.R., Cole, B.F., Ding, J. Willett, W. and Trichopoulos, D. (1998). Exposure to breast milk in infancy and adult cancer risk. *Journal of the National Cancer Institute* 90, 921 - 924.

[Back to top](#)

### **Studies on breast-feeding and breast cancer survival**

Collichio, F. A., Agnello, R., and Staltzer, J. (1998). Pregnancy after breast cancer: from psychosocial issues through conception. *Oncology* 12, 759 - 765.

Dow, K. H., Harris, J.R. and Roy, C. (1994). Pregnancy after breast-conserving surgery and radiation therapy for breast cancer. *Journal of the National Cancer Institute Monographs* 16, 131- 137.

Higgins, S. and Haffty, B.G. (1994). Pregnancy and lactation after breast - conserving therapy for early stage breast cancer. *Cancer* 73, 2175 - 2180.

Hildreth, N.G., Kelsey, J.L., Eisenfield, A.J., LiVolsi, V.A., Holford, T.R., and Fischer, D.B. (1983). Differences in breast cancer risk factors according to the estrogen receptor level of the tumor. *Journal of the National Cancer Institute* 70, 1027 -

1031.

Kuerer, H.M., Cunningham, J.D., Brower, S.T., and Tartter, P.I. (1997). Breast carcinoma associated with pregnancy and lactation. *Surgical Oncology* 6, 93 - 98.

Lethaby, A.E., O'Neill, M.A., Mason, B.H., Holdaway, I.M., and Harvey, V.J. (1996). Overall survival from breast cancer in women pregnant or lactating at or after diagnosis. *International Journal of Cancer* 67, 751 - 755.

Petok, E.S. (1995). Breast cancer and breastfeeding: five cases. *Journal of Human Lactation* 11, 205 - 209.

Stabin, M.G. (1997). Health concerns related to radiation exposure of the female nuclear medicine patient. *Environmental Health Perspectives* 105, 1403 - 1409.

Thomsen, S. and Tatman, D. (1998). Physiological and pathological factors of human breast disease that can influence optical diagnosis. *Annals of the New York Academy of Sciences*, 171 - .

Tralins, A.H. (1995). Lactation after conservative breast surgery combined with radiation therapy. *American Journal of Clinical Oncology* 18, 40 - 43.

Varsos, G. and Yahalom, J. (1991). Lactation following conservation surgery and radiotherapy for breast cancer. *Journal of Surgical Oncology* 46, 141 - 144.

[Back to top](#)

### **Other health considerations of breast-feeding for both the mother and the baby**

Ekblom, A., Hsieh, C. C., Trichopoulos, D., Yen, Y. Y., Petridou, E., and Adami, H.O. (1993). Breast feeding and breast cancer in the offspring. *British Journal of Cancer* 67, 842 - 845.

Freudenheim, J.L., Marshall, J. R., Grahm, S., Laughlin, R., Vena, J.E., Bandrera, E., Muti, P., Swanson, M., and Nemoto, T. (1994). Exposure to breast milk in infancy and the risk of breast cancer. *Epidemiology* 5, 324 - 331.

Saber, A., Dardik, H., Ibrahim, I. M., and Wolodiger, F. (1996). The milk rejection sign: a natural tumor marker. *American Surgeon* 62, 998 - 999.

Senie, R.T. (1982). Possible related risks to breastfeeding. *Journal of Obstetric, Gynecologic and Neonatal Nursing* 11, 34 - 36.

Titus - Ernstoff, L. , Egan, K.M., Newcomb, P.A., Baron, J.A., Stampfer, M., Greenberg, E.R., Cole, B.F., Ding, J. Willett, W. and Trichopoulos, D. (1998). Exposure to breast milk in infancy and adult cancer risk. *Journal of the National Cancer Institute* 90, 921 - 924.

[Back to top](#)

### **Additional sources for mothers**

Collichio, F. A., Agnello, R., and Staltzer, J. (1998). Pregnancy after breast cancer: from psychosocial issues through conception. *Oncology* 12, 759 - 765.

Dow, K. H., Harris, J.R. and Roy, C. (1994). Pregnancy after breast-conserving surgery and radiation therapy for breast cancer. *Journal of the National Cancer Institute Monographs* 16, 131- 137.

Higgins, S. and Haffty, B.G. (1994). Pregnancy and lactation after breast - conserving therapy for early stage breast cancer. *Cancer* 73, 2175 - 2180.

Hildreth, N.G., Kelsey, J.L., Eisenfield, A.J., LiVolsi, V.A., Holford, T.R., and Fischer, D.B. (1983). Differences in breast cancer risk factors according to the estrogen receptor level of the tumor. *Journal of the National Cancer Institute* 70, 1027 - 1031.

Kuerer, H.M., Cunningham, J.D., Brower, S.T., and Tartter, P.I. (1997). Breast carcinoma associated with pregnancy and lactation. *Surgical Oncology* 6, 93 - 98.

Lethaby, A.E., O'Neill, M.A., Mason, B.H., Holdaway, I.M., and Harvey, V.J. (1996). Overall survival from breast cancer in women pregnant or lactating at or after diagnosis. *International Journal of Cancer* 67, 751 - 755.

Petok, E.S. (1995). Breast cancer and breastfeeding: five cases. *Journal of Human Lactation* 11, 205 - 209.

Stabin, M.G. (1997). Health concerns related to radiation exposure of the female nuclear medicine patient. *Environmental Health Perspectives* 105, 1403 - 1409.

Thomsen, S. and Tatman, D. (1998). Physiological and pathological factors of human breast disease that can influence optical diagnosis. *Annals of the New York Academy of Sciences*, 171 - .

Tralins, A.H. (1995). Lactation after conservative breast surgery combined with radiation therapy. *American Journal of Clinical Oncology* 18, 40 - 43.

Varsos, G. and Yahalom, J. (1991). Lactation following conservation surgery and radiotherapy for breast cancer. *Journal of Surgical Oncology* 46, 141 - 144.

[Back to top](#)

### Articles on chemical contamination of breast milk

Brilliant, L.B., Van Amburg, G., Isbister, J., Humphrey, H., Wilcox, K., Eyster, J., Bloomer, A.W. and Price, H. (1978). Breast - milk monitoring to measure Michigan's contamination with polybromated biphenyls. *Lancet* 1, 643 - 649.

Committee on Environmental Health, and American Academy of Pediatrics (1994). PCBs in breast milk (RE9420). *Pediatrics* 94, 122 - 123.

Dagnelie, P.C., van Stavern, W.A., Roos, A.H., Tunistra, L.G.M. Th., and Burema, J. (1992). Nutrients and contaminants in human milk from mothers on macrobiotic and omniverous diets. *European Journal of Clinical Nutrition* 46, 355 - 356.

Dewailly, E., Ayotte, P., and Brisson, J. (1994). Protective effect of breast feeding on breast cancer and body burden of carcinogenic organochlorines. *Journal of the National Cancer Institute* 86, 803.

Dewailly, E., Ayotte, P., Laliberte, C., Weber, J.P., Gingras, S. and Nantel, A.J. (1996). Polychlorinated biphenyl (PCB) and dichlorodiphenyl dichloroethylene (DDE) concentrations in breast milk of women of Quebec. *American Journal of Public Health* 86, 1241 - 1246.

Frank, J.W., and Newmann, J. (1993) Breast - feeding in a polluted world: uncertain risks, clear benefits. *Canadian Medical Association Journal* 149, 33 - 37.

Hong, C.S., Xiao, J., Casey, A.C., Bush, B., Fitzgerald, E.F., and Hwang, S.A. (1994). Mono-ortho and non-ortho-substituted polychlorinated biphenyls in human milk from Mohawk and control women: effects of maternal factors and previous lactation. *Archives of Environmental Contamination Toxicology* 27, 431 - 437.

Hooper, K., Petreas, M.X, Chuvakova, T., Kazbekova, G., Druz, N., Seminova, G., Sharmanov, T., Hayward, D., She, J., Visita, P., Winkler, P., Winkler, J., McKinney, M., Wade, T.J., Grassman, J. and Stephens, R.D. (1998). Analysis of breast milk to assess exposure to chlorinated contaminants in Kazakhstan: high levels of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in agricultural villages of Southern Kazakhstan. *Environmental Health Perspectives* 106, 797 - 806.

Jelinek, C.F. (1992). Assessment of dietary intake of chemical contaminants: World Health Organization: UN Environmental Program, Food and Agriculture Organization.

Koppe, J.G. (1995). Nutrition and breast-feeding. *European Journal of Obstetrics & Gynecology and Reproductive Biology* 61, 73 - 78.

Lutter, C., Iyengar, V., Barnes, R., Chuvakova, T., Kazbekova, G., and Sharmanov, T. (1998). Breast milk contamination in Kadakhstan: implications for infant feeding. *Chemosphere* 37, 1761 - 1772.

Lutter, C. and Perez-Escamilla, R. (1996). DDE and insufficient breast milk. *American Journal of Public Health* 86, 887.

N.Y. State Health Planning Commission and the Health Advisory Council. (1997). Report of the Ad Hoc Committee on the Health Implications of PCBs in Mother's Milk. (Albany: New York State Department of Health).

Olaya - Contreras, P., Rodriguez - Villamil, J., Posso - Valencia, H.J., and Cortez, J.E. (1998). Organochlorine exposure and breast cancer risk in Columbian women. *Cad Saude Publica* 14, 125 - 132.

Patandin, S., Dagnelie, P.C., Mulder, P.G.H., Op de Coul, E., van der Veen, J.E., Weisglas - Kuperus, N., and Sauer, P.J.J. (1999). Dietary exposure to polychlorinated biphenyls and dioxins from infancy until adulthood: a comparison between breast - feeding, toddler and long - term exposure. *Environmental Health Perspectives* 107, 45 - 51.

Patandin, S., Weisglas - Kuperus, N., de Ridder, M.A.J., Koopman - Esseboom, C., van Staveren, W.A., van der Paauw, C.G., and Sauer, P.J.J. (1997). Plasma polychlorinated biphenyl levels in Dutch preschool children either breast-fed or formula-fed during infancy. *American Journal of Public Health* 87, 1711 - 1714.

Pohl, H.R., and Hibbs, B.F. (1996). Breast - feeding exposure of infants to environmental contaminants - a public health risk assessment viewpoint: chlorinated dibenzodioxins and chlorinated dibenzofurans. *Toxicology and Industrial Health* 12, 593 - 611.

- Quinsey, P.M., Donohue, D.C., Cumming, F.J., and Ahokas, J.T. (1996). The importance of measured intake in assessing exposure of breast - fed infants to organochlorines. *European Journal of Clinical Nutrition* 50, 438 - 442.
- Rogan, W.J. (1996). Pollutants in breast milk. *Archives of Pediatric and Adolescent Medicine* 150, 981 - 990.
- Rogan, W.J., and Ragan, N.B. (1994). Chemical contaminants, pharmacokinetics, and the lactating mother. *Environmental Health Perspectives* 102, 89 - 95.
- Schreiber, J.S. (1997). Transport of organic chemicals to breast milk: tetrachloroethene case study. In *Environmental Toxicology and Pharmacology of Human Development*, S. Kacew and G.H. Lambert, eds. (Washington, DC: Taylor and Francis), pp. 95 - 143.
- Trotter, W.J., and Dickerson, R. (1993). Pesticide residues in composited milk collected through the U.S. pasteurized milk network. *Journal of the AOAC International* 76, 1220 - 1225.
- Wickizer, T.M., and Brilliant, L.B. (1981). Testing polychlorinated biphenyls in human milk. *Pediatrics* 68, 411 - 415.
- Yakushiji, T., Watanabe, K., Kuwabara, K., Yoshida, S., Koyama, K., Hara, I., and Kunita, N. (1978). Long - term studies of the excretion of polychlorinated biphenyls (PCBs) through the mother's milk of an occupationally exposed worker. *Archives of Environmental Contamination Toxicology* 7, 493 - 504.

[Back to the top](#)

Prepared by Julie Napieralski, Ph.D., Research Associate., BCERF.

We will make every effort to update this bibliography. If you have comments on this bibliography, or have a suggestion of a reference you would like us to review for inclusion in the bibliography, please send this information via email to: [breastcancer@cornell.edu](mailto:breastcancer@cornell.edu)

Last Update 05.06.03

© 2009 Cornell University

Program on Breast Cancer and Environmental Risk Factors  
Cornell University, College of Veterinary Medicine  
Vet Box 31, Ithaca, NY 14853-6401  
Phone: 607.254.2893; Fax: 607.254.4730  
Email: [breastcancer@cornell.edu](mailto:breastcancer@cornell.edu)



We comply with the [HONcode standard for trustworthy health](#) information: [Verify here](#).