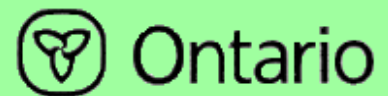


Bulletin



Bulletin Number 4381	Date February 1, 2002	Direct inquiries to Ministry of Health Processing Office (address below)
Distribution Physicians, Hospitals, Clinics, Laboratories		

Subject Ontario Physician's Guide to Referral for Patients with a Family History of Cancer to a Familial Cancer Genetics Clinic or Genetics Clinic

The Ministry of Health and Long-Term Care is pleased to continue to support services for patients who may have a predisposition to hereditary breast, ovarian and colorectal cancers.

Most breast, ovarian and colorectal cancers occur sporadically in families and the cause is either unknown or associated with one or more risk factors. In a minority of cases (5-10% overall), cancer is associated with a strong hereditary factor, which greatly increases the risk of developing a malignancy.

Individuals considered to be at increased risk for an inherited cancer can be referred to a Familial Cancer Genetics Clinic or Genetics Clinic. Upon referral, services such as genetic counselling, assessment, education and surveillance recommendations are available to individuals and families. Referrals may be made both for individuals with cancer and those without cancer.

Please note that:

- **THE FAMILY HISTORY WILL BE ASSESSED BY THE GENETICS CLINIC TO EVALUATE WHETHER A GENETIC COUNSELLING APPOINTMENT IS INDICATED.**
- **GENETIC TESTING MAY OR MAY NOT BE OFFERED IN THE COURSE OF A GENETICS CONSULTATION.**

One or more of the risk factors listed below from an individual's personal or family history may suggest an increased risk for hereditary cancer. A pertinent family history may be found either on the maternal or paternal sides of the family, but should be on the same side of the family. It is likely that this guide will be modified, as new scientific information arising from advances in the field of genetics becomes available. Referrals for other hereditary cancer syndromes not addressed by this document may be made to your local genetics centre. A list of clinics is attached for reference to this bulletin.

[Page.../2](#)

Office locations

Barrie 30 Poyntz St. L4M 3P2	Hamilton 119 King St. W P.O. Box 2280, Stn. A L8N 4C8	Kenora 220-808 Robertson St. P9N 1X9	Kingston 1055 Princess St. P.O. Box 9000 K7L 5A9	Kitchener 1400 Weber St. E. Unit B2 N2A 3Z8
London 217 York St., 5th Floor Box 5700 Terminal A N6A 1B7	Mississauga 201 City Centre Dr. P.O. Box 7020, Stn. A L5A 3M1	North Bay 101-447 McKeown St. P1B 9S9	Oshawa Exec. Tower, Oshawa Centre. 419 King St. W. P.O. Box 635 L1H 8L4	Ottawa Fuller Building 75 Albert Street K1P 5Y9
Owen Sound 981 2nd Avenue E. N4K 2H5	Peterborough 550 Lansdowne St. W. K9J 8J8	St. Catharines 59 Church St 3rd Floor L2R 3C3	Sarnia 452 Christina St. N. N7T 5W4	Sault Ste. Marie Roberta Bondar Place 70 Foster Dr., Ste. 100 P6A 6V4

Sudbury 199 Larch St., Suite 801 P3E 5R1	Thunder Bay 435 James St. S. , Suite 113 P7E 6T1	Timmins 38 Pine St. N., Ste. 110 P4N 6K6	Toronto 2195 Yonge St. P.O Box 1700 Stn. A M5W 1G9	Windsor 1427 Ouellette Ave. N8X 1K1
		Head Office P.O. Box 48 Kingston, ON K7L 5J3		

Risk Factors for Inherited Breast and/or Ovarian Cancer:

1. Multiple cases of breast cancer (particularly where diagnosis occurred at less than 50 years) and/or ovarian* cancer (any age) in the family – especially in closely related relatives in more than one generation.
2. Age at diagnosis of breast cancer less than 35 years.
3. A family member diagnosed with both breast and ovarian* cancer.
4. Breast and/or ovarian* cancer in Jewish families.
5. Family member(s) with primary cancer occurring in both breasts, especially if one or both cancers were diagnosed before age 50.
6. A family member diagnosed with invasive serous ovarian* cancer.
7. Presence of male breast cancer in the family.
8. Family member with an identified BRCA1 or BRCA2 mutation.
9. Presence of other associated cancers or conditions suggestive of an inherited cancer syndrome.

*includes cancer of the Fallopian tubes and primary peritoneal cancer

Risk Factors for Inherited Colorectal Cancer:

1. Multiple cases in the family of cancers related to the Hereditary Non-Polyposis Colorectal Cancer (HNPCC) spectrum with at least one relative affected with colorectal or endometrial cancer. An age of onset less than 50 years, in closely related relatives and in more than one generation would raise the index of suspicion.

Note: Cancers related to the HNPCC spectrum include: colorectal, gastric, small bowel, hepatobiliary, pancreatic, endometrial, ovarian, kidney, ureter, sebaceous carcinoma of the skin and brain cancers.

2. Age at diagnosis of colorectal cancer less than 35 years.
3. Multiple primary cancers in one family member (see 1. above for tumour sites).
4. Family member with Familial Adenomatous Polyposis (FAP), or 10 or more histologically confirmed adenomatous polyps (suggestive of attenuated FAP).
5. Family member with a colonic adenoma or cancer with high microsatellite instability (MSI).
6. Family member with a known mutation causing either HNPCC or FAP.

Genetic Testing:

Genes for the hereditary forms of breast and ovarian cancer, and colorectal cancer have been identified in the past several years. Testing for these genes is now possible in certain clinical situations.

Genetic testing is offered only to families that meet criteria for genetic testing, and in most cases will be offered to a family member affected with cancer first. If a mutation is detected, testing will then be available to unaffected members. If affected family members are unavailable for testing, only in exceptional circumstances will genetic testing be offered to an unaffected individual. The specific criteria for eligibility for genetic testing are available from your local genetics center or familial cancer clinic, or the Nov. 2001 issue of the Ontario Medical Review (available on-line at www.oma.org).

[...Previous page](#)[Bulletin Menu](#)[Next page..](#)

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ONTARIO GENETIC CLINICS AND FAMILIAL CANCER CLINICS

HAMILTON

Hamilton Regional Cancer Centre

699 Concession Street, Hamilton, ON L8V 5C2

Tel: (905) 387-9495, Fax: (905) 387-9711

The Regional Genetics Service of South Central Ontario

McMaster University Medical Centre: Room 3N20

1200 Main Street West, Hamilton, ON L8S 4J9

Tel: (905) 521-5085, Fax: (905) 521-2651

KINGSTON

Familial Oncology Program

Kingston Regional Cancer Centre

25 King Street West, Kingston, ON K7L 5P9

Tel: (613) 544-2631, Fax: (613) 545-5722

LONDON

The London Regional Cancer Centre Cancer Genetics

790 Commissioners Road East, London, ON N6A 4L6

Tel: (519) 685-8727, Fax: (519) 685-8664

Medical Genetics Program Southwestern Ontario

800 Commissioners Road

London, ON N6C 2V5

Tel: (519) 685-8140, Fax: (519) 685-8214

MISSISSAUGA

Cancer Genetics Program, Genetics Clinic Credit Valley Hospital

2200 Eglinton Avenue West, Mississauga, ON L5M 2N1

Tel: (905) 813-4104, Fax: (905) 813-4347

NORTH BAY

North Bay & District Health Unit, Genetic Counselling Services

681 Commercial Street, North Bay, ON P1B 4E7

Tel: (705) 474-1400 ext 390, Fax: (705) 474-0153

ORILLIA

Orillia Soldiers Memorial Hospital

170 Colborne Street West, Orillia, ON L3V 2Z3

Tel: (705) 327-9154, Fax: (705) 325-9459

PETERBOROUGH

Peterborough County-City Health Unit

Time Square Office

380 Armour Road, Suite 129, Peterborough, ON K9H 7L7

Tel: (705) 748-2021, Fax: (705) 748-3865

SAULT STE. MARIE

Genetic Counselling Service

Algoma Health Unit

99 Forest Drive, Sault Ste. Marie, ON P6A 5X6

Tel: (705) 541-7143, Fax: (705) 759-1534

SUDBURY

Genetic Clinic, Sudbury and District Health Unit

4 Boland Avenue, Sudbury, ON P3E 1X7

Tel: (705) 675-4786, Fax: (705) 523-7332

THUNDER BAY

Familial Cancer Genetics Program

Thunder Bay District Health Unit

999 Balmoral Street, Thunder Bay, ON P7B 6E7

Tel: (807) 625-5921, Fax: (807) 623-4341

TIMMINS

The Porcupine Health Unit Genetic Services

169 Pine Street South, Postal Bag 2012

Timmins, ON P4N 8B7

Tel: (705) 267-1181 ext 364 or 381 or Fax: (705) 264-3980

TORONTO

Familial GI Cancer Registry

Mount Sinai Hospital

Suite 1157, 600 University Avenue

Toronto, ON M5G 1X5

Tel: (416) 586-5112, Fax: (416) 586-8644

Marvelle Koffler Breast Centre

Familial Breast Cancer Clinic

Mount Sinai Hospital

Suite 1286, 600 University Avenue

Toronto, ON M5G 1X5

Tel: (416) 586-3244, Fax: (416) 586-8659

Familial Ovarian Cancer Clinic

OSHAWA

The Regional Genetic Service

Lakeridge Health Corporation

1 Hospital Court, Oshawa, ON L1G 2B9

Tel: (905) 433-2733, Fax: (905) 721-4757

OTTAWA

Hereditary Cancer Genetics Program

The Eastern Ontario Regional Genetics Program

Children's Hospital of Eastern Ontario

401 Smyth Road, Ottawa, ON K1H 8L1

Tel: (613) 737-2603, Fax: (613) 738-4822

Princess Margaret Hospital

M704-610 University Avenue, Toronto, ON M5G 2M9

Tel: (416) 946-2270, Fax: (416) 946-2288

Familial Breast and Ovarian Cancer Clinic of Women's College Campus of SWCHSC

The Centre for Research in Women's Health

790 Bay Street, 7th Floor, Toronto, ON M5G 1N8

Tel: (416) 351-3800 ext 2748, Fax: (416) 351-3767

High Risk/Familial Breast Clinic

Princess Margaret Hospital

610 University Avenue, 5-303, Toronto, ON M5G 2M9

Tel: (416) 946-4534, Fax: (416) 946-2983

...Previous page	Bulletin Menu	Next page..
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**The Charlotte and Lewis Steinberg Familial Breast and
Ovarian Cancer Clinic**

Genetics Program, Room 391

North York General Hospital

4001 Leslie Street, Toronto ON M2K 1E1

Tel: (416) 756-6345, Fax: (416) 756-6727

Familial Breast Cancer Clinic

Familial Colorectal Cancer Clinic

Toronto-Sunnybrook Regional Cancer Centre

2075 Bayview Avenue, Toronto ON M4N 3M5

Tel: (416) 480-4205, Fax: (416) 480-6179/6812

WINDSOR

Windsor-Essex County Health Unit

1005 Ouellette Avenue, Windsor ON N9A 4J8

Tel: (519) 685-8727 (through London clinic),

Fax: (519) 685-8664

[...Previous page](#)

[Bulletin Menu](#)

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