
MDHHS-CDC Cooperative Agreement DP14-1407: Promoting System Change through Education, Surveillance, and Policy to Advance Cancer Genomics Best Practices

Spring Steering Committee Meeting – Surveillance Activity Updates
April 29, 2016

Activity S1: MiBRFS

- 5 cancer genomics questions added to 2015 BRFS survey, asked in the field through December 2015
- Release of weighted survey results to BRFS coordinator expected Spring 2016
- Analysis of results expected Summer 2016, with MiBRFS Cancer Genomics Surveillance Brief to follow

Activity S2: BRCA Clinical Network Database

- 17 clinical cancer genetic partners currently part of BRCA Clinical Network database, submitting data on all BRCA-related genetic counseling visits
 - 2 new clinical partners to join our efforts in the upcoming months
- Most recent data extraction included visit information for 17,481 patients overall
 - Steady increase in genetic services utilization between Fiscal Years 2008-2013
 - When utilization was examined by dichotomous race (whites & blacks), increase in utilization was less substantial in blacks than their white counterparts
- Database error logs completed and disseminated to all partner clinics, and cancer genomics epidemiologist (CGE) worked in collaboration with clinical partners to correct data entry mistakes.
- Analysis of aggregate data completed, also segmented further:
 - by clinic
 - by year
 - by clinic by year
- Results of data analysis disseminated to partner clinics
- Comparative analysis also completed, highlighting characteristic differences between two patient subpopulations: Those patients residing in counties with the highest utilization and those residing in counties with the highest incidence of breast cancer at a young age (BCYA) or ovarian cancer
 - Results presented to clinical partners via a webinar
 - In-person presentation of results at Michigan Public Health Association Epidemiology Section conference
 - 3 topic-specific BRCA Clinical Network briefs regarding results are currently in draft stage, to be disseminated to partners and general public
- Updated Hereditary Cancer Network database is currently in the planning/logistics phase
 - Streamlined for ease of use by clinical partners
 - More comprehensive data entry to include data related to other hereditary cancer syndromes/genes in addition to HBOC/BRCA

Activity S3: LSSN Database

- 125 current LSSN partner institutions
 - 2014: 7,342 colorectal tumors screened, 2,070 endometrial tumors screened by LSSN members
 - 2015: 5,877 colorectal tumors screened, 2,412 endometrial tumors screened by LSSN members
 - To date: 24,675 colorectal tumors screened, 8,818 endometrial tumors screened by LSSN members
- LSSN Database currently in transition; University of New Hampshire potential institution to house it

Activity S4: Michigan Cancer Surveillance Program Incidence and Mortality Data

- Preliminary analysis of 2012 incidence data and 2013 mortality data complete

Cancer Type	N	Deaths	Age-Adj. IR[‡]	Age-Adj. MR[‡]
BCYA (age ≤ 50)	1,542	80	21.8	2.2
Triple Neg. BC, age ≤ 60	497	n/a	n/a	n/a
Ovarian Cancer	752	545	6.6	4.6
Colorectal Cancer	4,545	1,766	39.1	14.9
Endometrial Cancer, age < 50	214	16	n/a	n/a

[‡] IRs/MRs per 100,000 individuals

- Future analysis efforts will focus on county-level data and multiple primaries

New Surveillance Activities:

Activity S8: PRAMS Component D: Family History of Breast and Ovarian Cancer Survey

- **Received official notice of award 4/28/16**
- FOA purpose: To expand Core PRAMS methods and sampling to collect data on family history of breast and ovarian cancer in women who recently delivered a live birth, adding valuable information to the current surveillance, medical evaluation, and cancer prevention efforts focused on identifying populations at risk, including women of reproductive age
- Submitted grant proposal to CDC in November 2015
- Proposed Award Start Date: May 1, 2016
- Will consist of approx. 10-15 CDC-formulated cancer genomics questions

Activity S9: MI Breast and Cervical Cancer Control Navigation Program

- Access granted to BCCCNP data in September 2015
- Preliminary analysis completed
 - N = 185,135 clients (2006-2015)
 - 1.77% reported personal history of breast cancer
 - 17.5% reported family history of cancer
- Genetic counseling visits for BCCCNP clients launched in March 2016; Counseling and testing analysis to be done by CGE, once data becomes available

Feel free to contact Cancer Genomics Epidemiologist, Jillian Schrager with any questions or comments regarding surveillance activities: SchragerJ@michigan.gov/517-373-2929