CANCER REGISTRY REPORT

The Cancer Data Management System/Cancer Registry collects data on all types of cancer diagnosed or treated in an institution and is one of the four major components of an approved cancer program. From the reference or starting date of January 1, 1990, through December 31, 2007, GBMC's Cancer Registry has abstracted into its database the demographic, diagnostic, staging, treatment, and follow-up information on 34,584 cancer cases. To ensure accurate survival statistics, the Registry is required to follow these patients annually. GBMC's follow-up rate is 97%.

All data are reported quarterly to the Maryland Cancer Registry (MCR), which is part of the Maryland Department of Health and Mental Hygiene, and annually to the National Cancer Database (NCDB), the data management system for hospitals and programs approved by the Commission on Cancer. Cosponsored by the American Cancer Society and the American College of Surgeons, the NCDB uses submitted data for comparative studies that evaluate oncology care and provides a Benchmark Summary of Cancer Care and Survival in the United States. The Cancer Committee at the Greater Baltimore Medical Center authorized our facility's 2006 data submission to the NCDB, which included site and stage data, to be posted to the American Cancer Society (ACS) web site (www.cancer.org). This Facility Information Profile System (FIPS) allows patients to view the types of cancers diagnosed and treated at a particular facility and can help patients make more educated decisions about their cancer care.

The MCR uses data to evaluate incidence rates for the entire state, and compares data by region and county; they also participate in national studies. In addition to required reporting, the Cancer Registry at GBMC provides data for physician studies and educational conferences. The Maryland Cancer Registry, the National Cancer Database and the Greater Baltimore Medical Center and its Sandra & Malcolm Berman Cancer Institute support web sites.

One part-time and 3 full-time Certified Tumor Registrars and a part-time follow-up clerk staff the Cancer Registry at GBMC. For additional information, call 443-849-8063.

ANALYSIS

The Cancer Registry accessioned 2,018 cases during calendar year 2007. Of these, 1,918 were analytic cases-those patients who were initially diagnosed at GBMC and/or received all or part of their first course of treatment at GBMC. The 100 non-analytic cases were initially diagnosed and treated at other facilities before referral to GBMC for additional treatment for recurrent disease or were initially diagnosed or treated at GBMC prior to January 1, 1990. Many of these non-analytic patients chose to be treated in one of the many clinical trials available at GBMC.

In addition, the Cancer Registry reported 12 patients with benign brain and central nervous system (CNS) tumors to the MCR. Beginning in January 2004, all hospital registries in the United States were required to collect data on both malignant and non-malignant CNS tumors and follow these patients for their lifetime. These patients are part of the Central Brain Tumor Registry of the United States (CBTRUS).

In 2007, the average age at diagnosis for males at GBMC was 64.9; for females, it was 60.5.

The racial distribution of cases includes 83.9% Caucasian, 14.8% African-American, 1% Asian and 0.3% other. While 52.5% of patients diagnosed or treated at GBMC live in Baltimore County and 18.7% live in Baltimore City, patients come from 18 other Maryland counties, Pennsylvania, Delaware, and other states for treatment.

SITE DISTRIBUTION

Breast cancer continues to be the most frequently diagnosed and/or treated cancer at GBMC, with 527

Table 2 Based on 1.			Distribution b es	y Sex 200
Males	693 (36	5%)	Females	1,225 (64%
Melanoma	16 (2	.3)	Melanoma	22 (1.8
Oral	37 (5	5.3)	Oral	25 (2.0
			Breast	522 (42.6
Lung	83 (12	.0)	Lung	72 (5.9
Pancreas	8 (1	1.2)	Pancreas	15 (1.2
Stomach	7 (1	1.0)		
Colon/Rectum 61 (8.8)			Colon/Rect	um 89 (7.3
			Ovary	40 (3.3
			Uterus	153 (12.5
Urinary	51 (7	7.4)	Urinary	34 (2.8
Prostate	221 (31	1.9)		
Leukemia & Lymphoma	46 (6	5.6)	Leukemia & Lymphoma	50 (4.1
All Other	163 (23	3.5)	All Other	203 (16.6

analytic cases. The second most common cancer at GBMC is prostate with 221 analytics, followed by lung (160 analytics), colon/rectum (153 analytics), and thyroid (79 analytics). (See Table 1 below) (Table 2) The American Cancer Society's Surveillance Research estimated that 26,390 new cancer cases would be diagnosed in Maryland in 2007. That same year, GBMC diagnosed and/or treated an increased number of cancers of the prostate (221 compared to 205 in 2006); and esophagus (12 compared to 9 in 2006). In addition, the total number of head and neck cancers seen at GBMC increased from 183 in 2006 to 203 in 2007. Gynecological cancers increased from 194 to 246. The number of lymphomas diagnosed and/or treated at GBMC increased from 66 to 78.

STAGING

To help the physician evaluate the patient's disease at diagnosis, estimate prognosis, guide treatment, evaluate therapy and access the results of early cancer detection, the American Joint Committee on Cancer (AJCC) has established a TNM Staging Classification based on the premise that cancers of similar sites and histologies share similar patterns of growth and extension. In the TNM staging system, T relates to extent of the primary tumor, N relates to lymph node involvement and M indicates the presence of distant metastases. The combination of the TNM provides a stage group classification of Stage 0, 1,2,3,4, or unstageable. Cancers may be unstageable because no AJCC staging classification exists for the site. For example, leukemias, unknown primaries, and primary brain tumors cannot be staged using the AJCC criteria. Also patients may be unstageable because they choose to forego treatment or further testing needed to determine the appropriate stage. At diagnosis, 11.5% of GBMC's 1,918 analytic cases were Stage 0 (in situ), the earliest stage tumors. In general, the survival rates for in-situ cancers are higher than for those of invasive cancers. Of the invasive cancers, 26.1% were Stage 1; 23.5% were Stage 2; 14% were Stage 3; 11.1% were Stage 4; and 13.8% had no AJCC stage for the site or were unstageable (Table 3).

August 4, 2008

Posted Online: October 28th, 2008

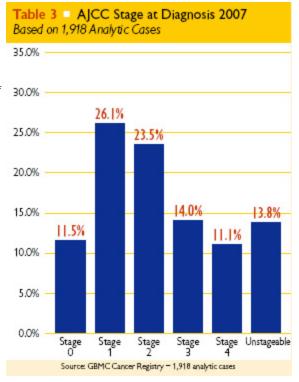


Table 1 GBMC Site Distribution All Cases 2007								
Primary Site	Total Cases	Analytic	Non- Analytic	Male	Female			
GENITOURINARY	338	317	21	299	39			
Prostate	232	221	11	232	0			
Renal	44	42	2	24	20			
Bladder	50	43	7	31	19			
Other GU	12	11	1	12	0			
BREAST	545	527	18	6	539			
GASTROINTESTINAL	265	253	12	118	147			
Esophagus	13	12	1	11	2			
Stomach	20	19	1	10	10			
Colon/Rectum	159	153	6	66	93			
Anal	20	19	1	8	12			
Pancreas	27	24	3	11	16			
Other GI	26	26	0	12	14			
GYNECOLOGIC	258	246	12	0	258			
Cervix Uteri	92	90	2	0	92			
Corpus Uteri	84	80	4	0	84			
Ovary	44	42	2	0	44			
Other Gyn	38	34	4	0	38			
HEAD AND NECK	213	203	10	103	110			
Oral Cavity	35	32	3	16	19			
Pharynx	38	38	0	26	12			
Salivary Gland	13	13	0	6	7			
Larynx	34	31	3	24	10			
Thyroid	83	79	4	24	59			
Other Head & Neck	10	10	0	7	3			
LUNG	164	160	4	88	76			
LYMPH NODES	59	53	6	28	31			
BONE MARROW	49	43	6	23	26			
SKIN*	64	56	8	32	32			
SOFT TISSUE SARCOMA	5	5	0	3	2			
CNS	14	13	1	10	4			
OTHER	16	15	1	9	7			
UNKNOWN PRIMARY	28	27	1	14	14			
ALL SITES TOTAL	2,018	1,918	100	733	1,285			

^{*}Skin — Excludes basal/squamous skin cancers

Source: GBMC Cancer Registry Database