

2012 Cancer Registry Data Review

In 2012 Mon General added 681 new cancer patients to our data base. 585 of these were diagnosed and/or treated first course here (analytic). Highlights of the class of case are: 264 patients received diagnosis and all treatment at Mon General, 65 were diagnosed here with part of treatment here and part of treatment elsewhere, 64 were diagnosed elsewhere and had all treatment here, 71 were diagnosed elsewhere and had part of their treatment here, and 59 were diagnosed in a staff physician's office and had all or part of 1st course treatment here. Only 38 were diagnosed here and received all of their treatment elsewhere.

Of the 585 analytic cases 171 cases were in the age group of 60-69, 139 were 70-79, 116 were 50-59, 70 were 80-89 and 47 were 40-49 years of age at the time of diagnosis (see attached chart for all age groups).

63% of cases were female and 37% male. The difference in this ratio when compared to other hospitals may be due to the fact that we offer a wide variety of gynecological oncology services in the tri-state area with 3 gynecological oncologists on staff. Four of our top 10 sites were primarily female cancers, providing first course treatment to 108 uterine cancers, 75 breast (female), 20 ovarian, and 23 invasive cervical cancers.

Other top sites seen in 2012 were 63 lung, 46 colon, 27 hematopoietic, 30 prostate, 34 bladder, and 26 melanoma. The top 10 sites comprised 452 out of our 585 analytic cases. When comparing the top 5 sites AJCC stage at diagnosis we see that 159 cases were diagnosed at stage I, 48 at stage II, 36 at stage III and 42 at stage IV. Of the cases diagnosed at stage IV the vast majority were lung with 22 and colon with 14 cases. (See the attached primary site table for all types of cancer cases seen in 2012).

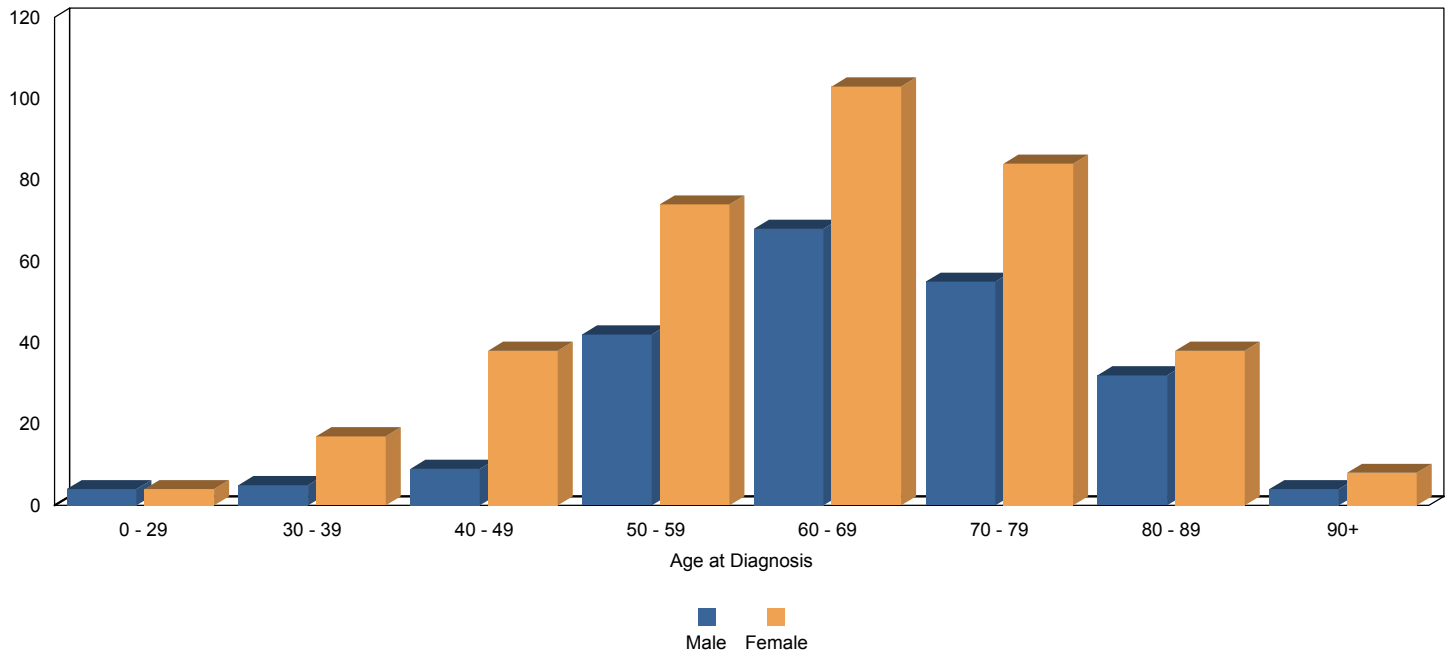
The top counties serviced by our cancer center in 2012 were Monongalia 213, Marion 74, Preston 62, Harrison 26, Randolph 24, Taylor 15, and Upshur served 14 patients. Also of interest, 34 of our patients reside in PA, 39 in Maryland, and 8 in Ohio.

In 2011 Mon General cancer registry abstracted 602 analytic cases and for 2012 we abstracted 585 for a difference of 17 cases. According to preliminary data from the WV Central Cancer Registry, 2012 shows an overall trend of lower numbers of cancer being reported when compared to 2011. (2007-2012 chart attached)

The end of 2012 brought on board, a third medical oncologist, Dr. John Azar and the beginning of 2013 a new Certified Tumor Registrar, Karen Cundiff. We have been working diligently with our ACoS consultant since the fall of 2012 to achieve CoC Comprehensive Cancer Program Accreditation. We are scheduled for our survey August 28, 2013.

Age at Diagnosis by Sex
2012 total analytic cases = 585

Age at Diagnosis by Sex



MONONGALIA GENERAL HOSPITAL

County at Diagnosis

2012 TOTAL ANALYTIC CASES 585

Filter(s): Quick Filter: Year:1ST CONTACT YEAR 2012-2012 AND Class of Case: A AND (CaseStatFlag = `C`)

County at Diagnosis	Count (N)	Percent (%)
WV-Monongalia	213	36.41%
WV-Marion	74	12.65%
WV-Preston	62	10.60%
MD-Outside state/county code unknown	39	6.67%
PA-Outside state/county code unknown	34	5.81%
WV-Harrison	26	4.44%
WV-Randolph	24	4.10%
WV-Taylor	15	2.56%
WV-Upshur	14	2.39%
OH-Outside state/county code unknown	8	1.37%
WV-Barbour	8	1.37%
WV-Mineral	8	1.37%
WV-Wetzel	6	1.03%
WV-Webster	5	0.85%
WV-Hampshire	4	0.68%
WV-Hardy	4	0.68%
WV-Lewis	4	0.68%
WV-Ohio	4	0.68%
PA-Huntingdon	3	0.51%
WV-Nicholas	3	0.51%
WV-Braxton	2	0.34%
WV-Grant	2	0.34%
WV-Kanawha	2	0.34%
WV-Marshall	2	0.34%
WV-Pocahontas	2	0.34%
WV-Wood	2	0.34%
NV-Outside state/county code unknown	1	0.17%
NY-Outside state/county code unknown	1	0.17%
OH-Hamilton	1	0.17%
PA-Fayette	1	0.17%
SC-Outside state/county code unknown	1	0.17%
VA-Outside state/county code unknown	1	0.17%
WV-Brooke	1	0.17%
WV-Clay	1	0.17%
WV-Gilmer	1	0.17%
WV-Morgan	1	0.17%
WV-Pleasants	1	0.17%
WV-Putnam	1	0.17%
WV-Raleigh	1	0.17%
WV-Tucker	1	0.17%
WV-Wyoming	1	0.17%
Total	585	100.00%

Class of Case**2012 analytic and non-analytic cases**

Filter(s): Quick Filter: Year:1ST CONTACT YEAR 2012-2012 AND (CaseStatFlag = `C` OR CaseStatFlag = `R` OR CaseStatFlag = `N`):

Class of Case	Count (N)	Percent (%)
(00) Initial diagnosis at the reporting facility AND all treatment or a decision not to treat was done elsewhere	38	5.58%
(10) Initial diagnosis at the reporting facility or in a staff physician's office AND part or all of first course treatment or a decision not to treat was at the reporting facility, NOS	5	0.73%
(11) Initial diagnosis in staff physician's office AND part of first course treatment was done at the reporting facility	14	2.06%
(12) Initial diagnosis in staff physician's office AND all first course treatment or decision not to treat was done at the reporting facility	45	6.61%
(13) Initial diagnosis at the reporting facility AND part of first course treatment was done at the reporting facility; part of first course treatment was done elsewhere	65	9.54%
(14) Initial diagnosis at the reporting facility AND all first course treatment or a decision not to treat was done at the reporting facility	264	38.77%
(20) Initial diagnosis elsewhere AND all or part of first course treatment was done at the reporting facility, NOS	20	2.94%
(21) Initial diagnosis elsewhere AND part of first course treatment was done at the reporting facility; part of first course treatment was done elsewhere	71	10.43%
(22) Initial diagnosis elsewhere AND all first course treatment or a decision not to treat was done at the reporting facility	64	9.40%
(30) Initial diagnosis and all first course treatment elsewhere AND reporting facility participated in diagnostic workup (for example, consult only, treatment plan only, staging workup after initial diagnosis elsewhere)	15	2.20%
(31) Initial diagnosis and all first course treatment elsewhere AND reporting facility provided in-transit care; or hospital provided care that facilitated treatment elsewhere (for example, stent placement)	1	0.15%
(32) Diagnosis AND all first course treatment provided elsewhere AND patient presents at reporting facility with disease recurrence or persistence (active disease)	25	3.67%
(33) Diagnosis AND all first course treatment provided elsewhere AND patient presents at reporting facility with disease history only (disease not active)	0	0.00%
(34) Type of case not required by CoC to be accessioned (for example, a benign colon tumor) AND initial diagnosis AND part or all of first course treatment by reporting facility	7	1.03%
(35) Case diagnosed before program's Reference Date AND initial diagnosis AND all or part of first course treatment by reporting facility	1	0.15%
(36) Type of case not required by CoC to be accessioned (for example, a benign colon tumor) AND initial diagnosis elsewhere AND all or part of first course treatment by reporting facility	1	0.15%
(37) Case diagnosed before program's Reference Date AND initial diagnosis elsewhere AND all or part of first course treatment by facility	1	0.15%
(38) Initial diagnosis established by autopsy at the reporting facility, cancer not suspected prior to death	0	0.00%
(40) Diagnosis AND all first course treatment given at the same staff physician's office	2	0.29%
(41) Diagnosis and all first course treatment given in two or more different staff physician offices	0	0.00%
(42) Nonstaff physician or non-CoC accredited clinic or other facility, not part of reporting facility, accessioned by reporting facility for diagnosis and/or treatment by that entity (example, hospital abstracts cases from an independent radiation facility)	0	0.00%
(43) Pathology or other lab specimens only	20	2.94%
(49) Death certificate only	0	0.00%
(99) Nonanalytic case of unknown relationship to facility (not for use by CoC accredited cancer programs for analytic cases)	0	0.00%
BLANK	22	3.23%
Total	681	100.00%

Summary by Body System and Best CS/AJCC Stage Report 2012 Cases

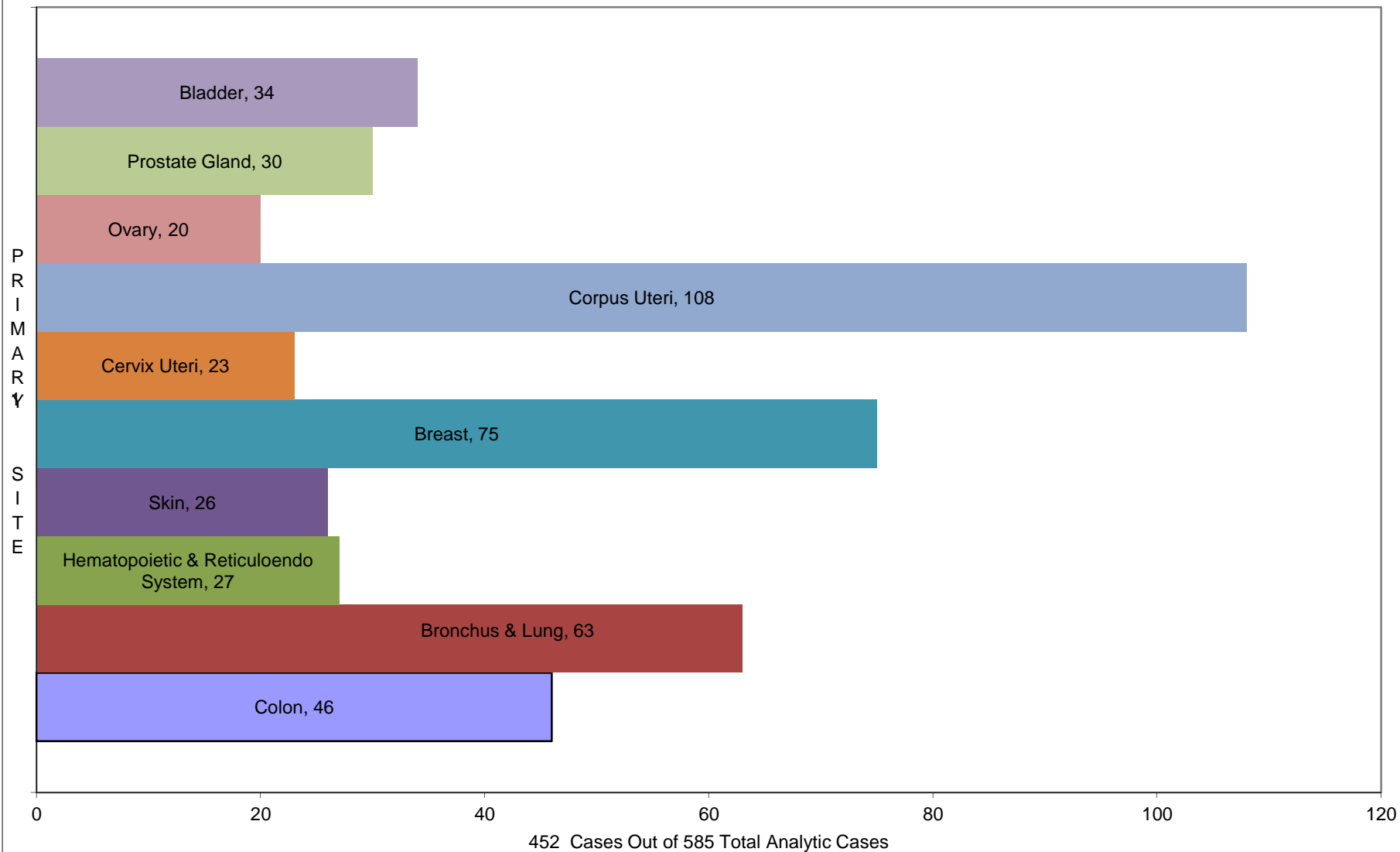
Filter(s): Quick Filter: Year:1ST CONTACT YEAR 2012-2012 AND Class of Case: A AND (CaseStatFlag = `C`):

Primary Site	Total	%	Stg 0	%	Stg I	%	Stg II	%	Stg III	%	Stg IV	%	88	%	Unk	%	Blank/Inv	%
ORAL CAVITY & PHARYNX	1	0.2%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	1.4%	0	0.0%	0	0.0%	0	
Tonsil	1	0.2%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	1.4%	0	0.0%	0	0.0%	0	
DIGESTIVE SYSTEM	95	16.2%	5	13.5%	18	7.3%	19	21.1%	20	26.7%	23	32.4%	3	7.1%	7	30.4%	0	
Esophagus	2	0.3%	0	0.0%	0	0.0%	1	1.1%	0	0.0%	1	1.4%	0	0.0%	0	0.0%	0	
Stomach	5	0.9%	0	0.0%	1	0.4%	1	1.1%	1	1.3%	1	1.4%	0	0.0%	1	4.3%	0	
Colon Excluding Rectum	46	7.9%	3	8.1%	10	4.0%	10	11.1%	8	10.7%	14	19.7%	0	0.0%	1	4.3%	0	
Cecum	12		0		3		3		2		4		0		0		0	
Appendix	3		0		1		0		1		1		0		0		0	
Ascending Colon	13		0		3		4		2		3		0		1		0	
Hepatic Flexure	3		1		0		1		0		1		0		0		0	
Transverse Colon	4		0		2		1		0		1		0		0		0	
Splenic Flexure	2		0		1		0		0		1		0		0		0	
Sigmoid Colon	9		2		0		1		3		3		0		0		0	
Rectum & Rectosigmoid	15	2.6%	1	2.7%	5	2.0%	3	3.3%	4	5.3%	2	2.8%	0	0.0%	0	0.0%	0	
Rectosigmoid Junction	6		1		0		1		3		1		0		0		0	
Rectum	9		0		5		2		1		1		0		0		0	
Anus, Anal Canal & Anorectum	1	0.2%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	4.3%	0	
Liver & Intrahepatic Bile Duct	6	1.0%	0	0.0%	2	0.8%	0	0.0%	0	0.0%	0	0.0%	2	4.8%	2	8.7%	0	
Liver	5		0		2		0		0		0		1		2		0	
Intrahepatic Bile Duct	1		0		0		0		0		0		1		0		0	
Gallbladder	3	0.5%	1	2.7%	0	0.0%	1	1.1%	0	0.0%	1	1.4%	0	0.0%	0	0.0%	0	
Other Biliary	7	1.2%	0	0.0%	0	0.0%	3	3.3%	2	2.7%	0	0.0%	1	2.4%	1	4.3%	0	
Pancreas	5	0.9%	0	0.0%	0	0.0%	0	0.0%	2	2.7%	2	2.8%	0	0.0%	1	4.3%	0	
Peritoneum, Omentum & Mesentery	5	0.9%	0	0.0%	0	0.0%	0	0.0%	3	4.0%	2	2.8%	0	0.0%	0	0.0%	0	
RESPIRATORY SYSTEM	63	10.8%	0	0.0%	19	7.7%	9	10.0%	13	17.3%	22	31.0%	0	0.0%	0	0.0%	0	
Lung & Bronchus	63	10.8%	0	0.0%	19	7.7%	9	10.0%	13	17.3%	22	31.0%	0	0.0%	0	0.0%	0	
SOFT TISSUE	2	0.3%	0	0.0%	0	0.0%	1	1.1%	0	0.0%	1	1.4%	0	0.0%	0	0.0%	0	
Soft Tissue (including Heart)	2	0.3%	0	0.0%	0	0.0%	1	1.1%	0	0.0%	1	1.4%	0	0.0%	0	0.0%	0	
SKIN EXCLUDING BASAL & SQUAN	25	4.3%	7	18.9%	10	4.0%	7	7.8%	1	1.3%	0	0.0%	0	0.0%	0	0.0%	0	
Melanoma -- Skin	24	4.1%	7	18.9%	10	4.0%	6	6.7%	1	1.3%	0	0.0%	0	0.0%	0	0.0%	0	
Other Non-Epithelial Skin	1	0.2%	0	0.0%	0	0.0%	1	1.1%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	
BREAST	75	12.8%	8	21.6%	39	15.8%	19	21.1%	6	8.0%	0	0.0%	0	0.0%	3	13.0%	0	
Breast	75	12.8%	8	21.6%	39	15.8%	19	21.1%	6	8.0%	0	0.0%	0	0.0%	3	13.0%	0	
FEMALE GENITAL SYSTEM	165	28.2%	0	0.0%	118	47.8%	8	8.9%	26	34.7%	10	14.1%	1	2.4%	2	8.7%	0	
Cervix Uteri	23	3.9%	0	0.0%	13	5.3%	0	0.0%	6	8.0%	4	5.6%	0	0.0%	0	0.0%	0	
Corpus & Uterus, NOS	110	18.8%	0	0.0%	92	37.2%	5	5.6%	9	12.0%	3	4.2%	1	2.4%	0	0.0%	0	
Corpus Uteri	108		0		91		5		9		2		1		0		0	
Uterus, NOS	2		0		1		0		0		1		0		0		0	
Ovary	20	3.4%	0	0.0%	6	2.4%	2	2.2%	10	13.3%	2	2.8%	0	0.0%	0	0.0%	0	
Vagina	4	0.7%	0	0.0%	1	0.4%	1	1.1%	0	0.0%	0	0.0%	0	0.0%	2	8.7%	0	

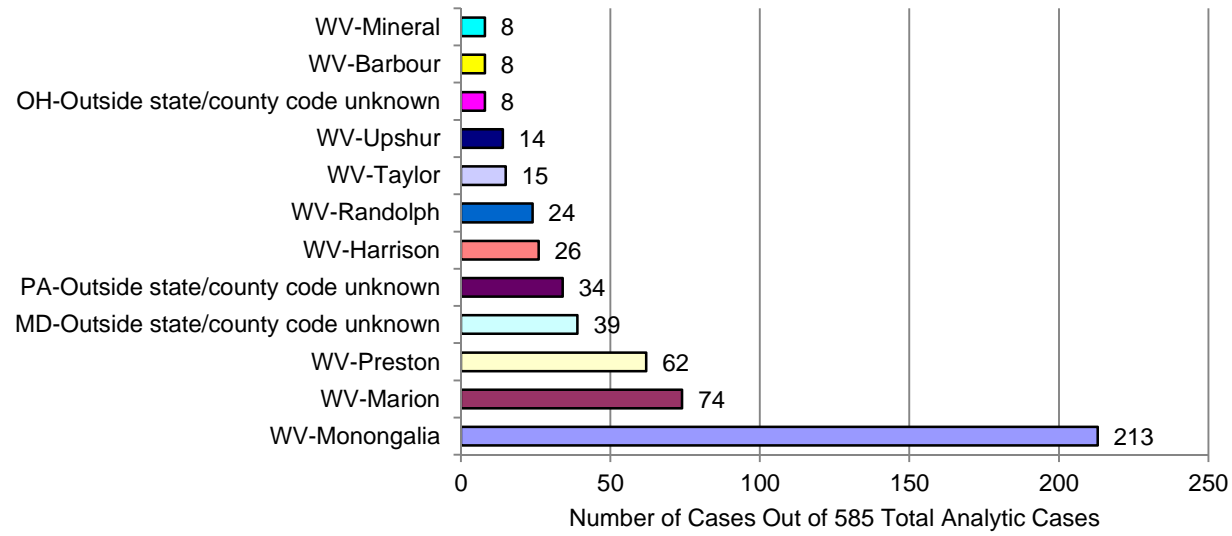
**Summary by Body System and Best CS/AJCC Stage Report
2012 Cases**

Primary Site	Total	%	Stg 0	%	Stg I	%	Stg II	%	Stg III	%	Stg IV	%	88	%	Unk	%	Blank/Inv	%
Vulva	8	1.4%	0	0.0%	6	2.4%	0	0.0%	1	1.3%	1	1.4%	0	0.0%	0	0.0%	0	
MALE GENITAL SYSTEM	31	5.3%	0	0.0%	13	5.3%	12	13.3%	0	0.0%	1	1.4%	0	0.0%	5	21.7%	0	
Prostate	30	5.1%	0	0.0%	13	5.3%	11	12.2%	0	0.0%	1	1.4%	0	0.0%	5	21.7%	0	
Other Male Genital Organs	1	0.2%	0	0.0%	0	0.0%	1	1.1%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	
URINARY SYSTEM	49	8.4%	17	45.9%	14	5.7%	6	6.7%	2	2.7%	6	8.5%	0	0.0%	4	17.4%	0	
Urinary Bladder	34	5.8%	17	45.9%	7	2.8%	5	5.6%	0	0.0%	4	5.6%	0	0.0%	1	4.3%	0	
Kidney & Renal Pelvis	15	2.6%	0	0.0%	7	2.8%	1	1.1%	2	2.7%	2	2.8%	0	0.0%	3	13.0%	0	
ENDOCRINE SYSTEM	23	3.9%	0	0.0%	14	5.7%	3	3.3%	1	1.3%	0	0.0%	3	7.1%	2	8.7%	0	
Thyroid	20	3.4%	0	0.0%	14	5.7%	3	3.3%	1	1.3%	0	0.0%	0	0.0%	2	8.7%	0	
Other Endocrine including Thymus	3	0.5%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	3	7.1%	0	0.0%	0	
LYMPHOMA	21	3.6%	0	0.0%	2	0.8%	6	6.7%	6	8.0%	7	9.9%	0	0.0%	0	0.0%	0	
Hodgkin Lymphoma	2	0.3%	0	0.0%	0	0.0%	2	2.2%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	
Non-Hodgkin Lymphoma	19	3.2%	0	0.0%	2	0.8%	4	4.4%	6	8.0%	7	9.9%	0	0.0%	0	0.0%	0	
NHL - Nodal	18		0		2		3		6		7		0		0		0	
NHL - Extranodal	1		0		0		1		0		0		0		0		0	
MYELOMA	4	0.7%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	4	9.5%	0	0.0%	0	
Myeloma	4	0.7%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	4	9.5%	0	0.0%	0	
LEUKEMIA	11	1.9%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	11	26.2%	0	0.0%	0	
Lymphocytic Leukemia	2	0.3%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	2	4.8%	0	0.0%	0	
Acute Lymphocytic Leukemia	1		0		0		0		0		0		1		0		0	
Chronic Lymphocytic Leukemia	1		0		0		0		0		0		1		0		0	
Myeloid & Monocytic Leukemia	8	1.4%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	8	19.0%	0	0.0%	0	
Acute Myeloid Leukemia	5		0		0		0		0		0		5		0		0	
Chronic Myeloid Leukemia	3		0		0		0		0		0		3		0		0	
Other Leukemia	1	0.2%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	2.4%	0	0.0%	0	
MISCELLANEOUS	20	3.4%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	20	47.6%	0	0.0%	0	
Miscellaneous	20	3.4%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	20	47.6%	0	0.0%	0	
Total	585		37		247		90		75		71		42		23		0	

Mon General Top 10 Cancer Sites for 2012

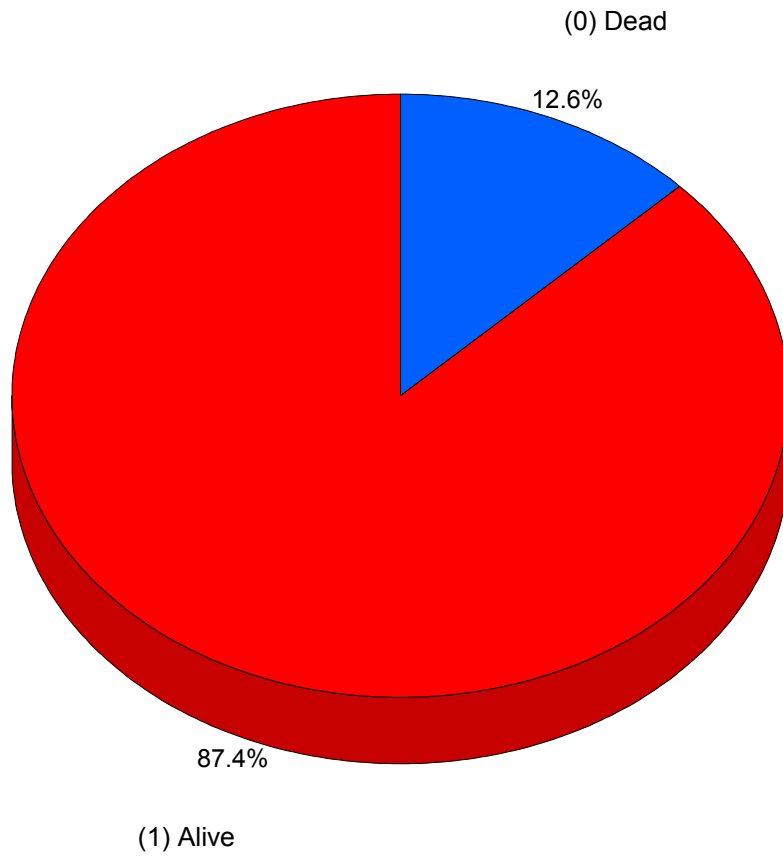


Mon General, Top Counties at Diagnosis for 2012

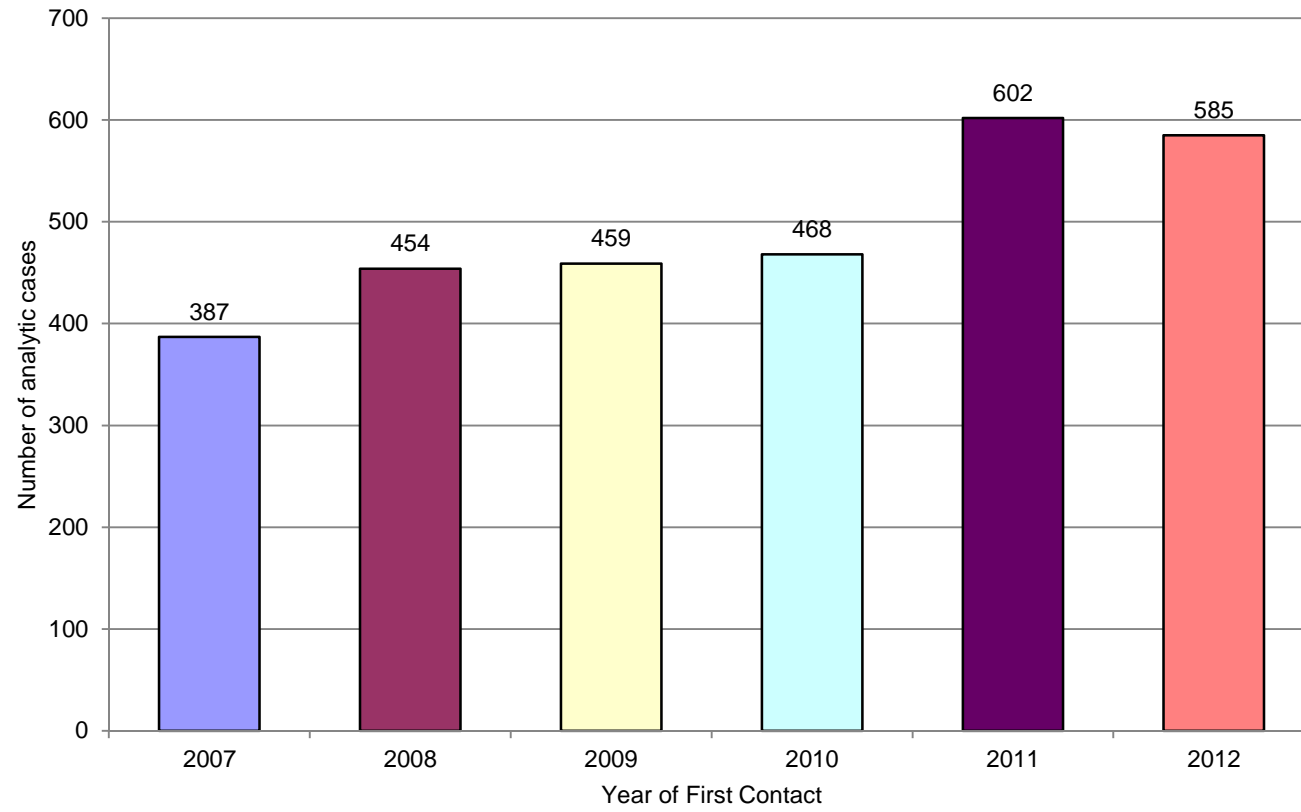


Vital Status
2012 ANALYTIC CASES

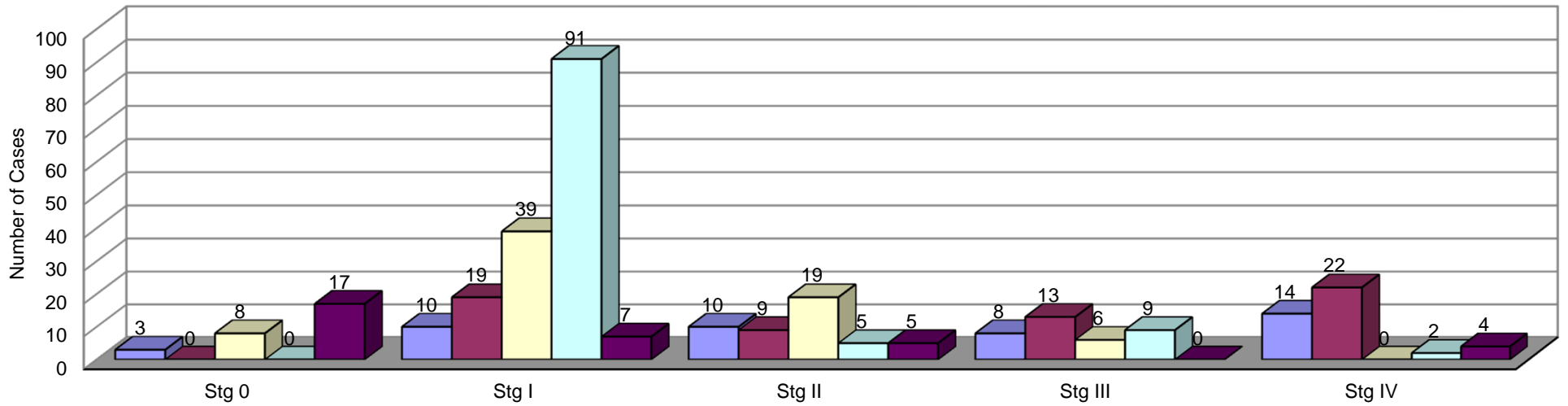
Vital Status



Mon General Number of Analytic Cases 2007-2012



Mon General, Top 5 Sites by AJCC Stage



■ Colon ■ Bronchus & Lung ■ Breast ■ Corpus Uteri ■ Bladder