

Primary Site Distribution - 2006 Accessions

<u>SITE</u>	<u>Total #</u>	<u>Male</u>	<u>Female</u>	<u>% Male</u>	<u>% Female</u>	<u>Analytic</u>	<u>NonAnalytic</u>
Lip, Oral Cavity & Pharynx	46	29	17	63%	37%	40	6
Esophagus	27	23	4	85%	15%	25	2
Stomach	27	23	4	85%	15%	24	3
Small Intestine	9	5	4	56%	44%	9	0
Colon	97	39	58	40%	60%	86	11
Rectum & Rectosigmoid	58	36	22	62%	38%	49	9
Anus	5	4	1	80%	20%	5	0
Liver	13	9	4	69%	31%	12	1
Gallbladder & Biliary	8	2	6	25%	75%	7	1
Pancreas	44	23	21	52%	48%	43	1
Nasal Cavity & Sinus	3	2	1	67%	33%	2	1
Larynx	20	17	3	85%	15%	20	0
Lung	267	142	125	53%	47%	261	6
Pleura, Mediastinum, Thymus	10	6	4	60%	40%	8	2
Bone	9	5	4	56%	44%	8	1
Melanoma	44	27	17	61%	39%	34	10
Skin, Other	4	3	1	75%	25%	2	2
Peritoneum	5	0	5	0%	100%	4	1
Connective Tissue	13	8	5	62%	38%	10	3
Breast	526	4	522	99%	1%	479	47
Vulva	14	0	14	0%	100%	12	2
Other Female Genitalia	12	0	12	0%	100%	10	2
Cervix Uteri	26	0	26	0%	100%	23	3
Corpus Uteri	60	0	60	0%	100%	54	6
Ovary	48	0	48	0%	100%	46	2
Prostate	307	307	0	100%	0%	256	51
Testis	22	22	0	100%	0%	21	1
Other Male Genitalia	3	3	0	100%	0%	2	1
Kidney and Renal Pelvis	67	43	24	64%	36%	62	5
Bladder and Ureter	89	67	22	75%	25%	67	22
Eye	2	0	2	0%	100%	1	1
Brain/CNS (Malignant and Benign)	59	26	33	44%	56%	50	9
Thyroid	91	15	76	16%	84%	87	4
Endocrine	7	3	4	43%	57%	7	0
Non-Hodgkin's Lymphoma	110	56	54	51%	49%	99	11
Hodgkin's Lymphoma	17	7	10	41%	59%	17	0
Chronic Leukemia	56	35	21	63%	37%	47	9
Acute Leukemia	41	27	14	66%	34%	39	2
Other Leukemia	4	3	1	75%	25%	3	1
Multiple Myeloma	29	19	10	66%	34%	27	2
Waldenstrom Macroglobulinemia	2	2	0	100%	0%	2	0
Langerhans Histiocytosis	2	2	0	100%	0%	2	0
Chronic Myeloproliferative Disorders	32	13	19	41%	59%	28	4
Myelodysplastic Syndromes	16	10	6	63%	37%	15	1
Unknown & Ill defined Primary Site	41	16	25	39%	61%	38	3
Totals	2392	1083	1309	45%	55%	2143	249

GYNECOLOGIC CANCER

Data from the St Luke's Health System Oncology Registry reflect gynecologic malignancies being in the top ten sites of cancer incidence. The attached tables show incidence of cervix, uterine and ovarian malignancies by year of diagnosis, age and stage at diagnosis. Also are data tables of type of treatment given and survival information compared to national statistics.

Gynecologic cancer treatment is dependent on the type and stage of the cancer. Surgery alone or in combination with radiation and/or chemotherapy is typically the treatment of choice. St Luke's has the distinction of having two board-certified gynecologic oncologists on staff – Dr Jerry Perez and Dr Amy Cooper.

Screening and self-examinations conducted regularly can result in the detection of cancers, including gynecologic cancers. When caught in the early stage, treatment for any type of malignancy is more likely to be successful. During 2008, St Luke's/MSTI will be developing a plan for community awareness and education of gynecologic cancers. September has been designated as Gynecologic Cancer Awareness Month.

Data compiled by
St. Luke's Oncology Information Registry

M.D. Overview and Data Analysis
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Presented Cancer Committee 11/13/07

Gyn Cases - 2000 through 2006
Cases by year and site

DX Date	2000	2001	2002	2003	2004	2005	2006	Site Totals
Cervix	14	14	14	21	17	17	26	123
Uterine	44	38	38	31	43	47	60	301
Ovarian	43	21	20	40	37	44	48	253
Yearly totals	101	73	72	92	97	108	134	677

Gyn Cases - 2000 through 2006
Age and Stage at Diagnosis

Cervix										
	Age at Dx									
Stage	0-19 yr	20-29 yr	30-39 yr	40-49 yr	50-59 yr	60-69 yr	70-79 yr	80-89 yr	90-99 yr	Total
IA	0	1	6	6	0	0	4	1	0	18
IB	0	1	14	11	7	1	0	0	1	35
2A	0	0	2	4	3	0	1	2	0	12
2B	0	0	2	3	5	3	5	0	0	18
3A	0	0	0	2	1	2	1	0	0	6
3B	0	0	4	7	1	5	1	1	0	19
4B	1	0	1	2	0	4	0	1	0	9
Unstaged	0	1	1	0	1	1	1	1	0	6
Total	1	3	30	35	18	16	13	6	1	123

Uterus										
	Age at Dx									
Stage	0-19 yr	20-29 yr	30-39 yr	40-49 yr	50-59 yr	60-69 yr	70-79 yr	80-89 yr	90-99 yr	Total
I (NOS)	0	0	0	1	1	0	2	1	0	5
IA	0	1	3	11	34	14	15	3	0	81
IB	0	0	1	4	22	20	12	6	1	66
IC	0	0	0	4	5	15	11	7	0	42
2 (NOS)	0	0	0	0	0	0	1	0	0	1
2A	0	1	0	4	4	0	2	2	0	13
2B	0	0	0	2	3	3	2	1	1	12
3 (NOS)	0	0	0	1	0	0	0	0	0	1
3A	0	0	0	1	6	5	3	3	1	19
3C	0	0	0	3	6	4	4	1	1	19
4 (NOS)	0	0	0	0	0	0	2	0	0	2
4A	0	0	1	0	0	1	0	1	0	3
4B	0	0	0	0	1	5	2	4	0	12
Unstaged	0	0	1	4	7	8	3	1	1	25
Total	0	2	6	35	89	75	59	30	5	301

Ovary										
	Age at Dx									
Stage	0-19 yr	20-29 yr	30-39 yr	40-49 yr	50-59 yr	60-69 yr	70-79 yr	80-89 yr	90-99 yr	Total
0	0	0	0	1	0	0	0	0	0	1
I (NOS)	0	0	0	0	0	1	0	0	0	1
IA	1	1	2	6	6	2	2	2	0	22
IB	0	0	0	2	0	0	0	0	0	2
IC	0	2	1	8	11	7	2	0	0	31
2(NOS)	0	0	1	0	0	0	2	0	0	3
2A	0	0	0	0	0	1	1	0	0	2
2B	0	0	0	4	2	3	2	1	0	12
2C	0	0	2	1	3	0	0	0	1	7
3 (NOS)	0	0	1	4	1	2	1	5	0	14
3A	0	0	1	0	0	1	1	0	0	3
3B	0	0	0	2	2	1	1	0	0	6
3C	0	3	4	10	16	17	22	5	0	77
4	1	0	1	5	7	13	20	6	1	54
Unstaged	3	1	0	3	2	2	3	4	0	18
Totals	5	7	13	46	50	50	57	23	2	253

Gyn Cases - 2000 through 2006
First Course of Surgery

Cervix								
Year and number of surgery patients								
Type of Surgery	2000	2001	2002	2003	2004	2005	2006	all yrs totals
Cone Excis/LEEP	1	2	1	1	2	1	2	10
Total Hyst without BSO	1	1	0	1	3	1	0	7
Total Hyst with BSO	6	1	3	3	4	3	5	25
Extended/Radical Hyst	0	1	0	7	0	4	8	20
Hysterectomy, NOS	1	2	0	4	0	2	1	10
Pelvic Exenteration	0	0	1	0	0	0	0	1
Surgery total by Year	9	7	5	16	9	11	16	73

Uterus								
Year and number of surgery patients								
Type of Surgery	2000	2001	2002	2003	2004	2005	2006	all yrs totals
Local Excision	2	2	2	0	0	0	0	6
Subtotal Hysterectomy	0	1	1	0	1	1	2	6
Total Hyst w/o BSO	2	1	1	4	0	1	4	13
Total Hyst with BSO	27	30	32	20	31	31	41	212
Extended/Radical Hyst	10	3	1	1	3	0	1	19
Hysterectomy, NOS	0	0	0	5	6	9	10	30
Pelvic Exenteration	0	0	0	0	0	2	0	2
Surgery total by Year	41	37	37	30	41	44	58	288

Ovary								
Year and number of surgery patients								
Type of Surgery	2000	2001	2002	2003	2004	2005	2006	all yrs totals
Local Tumor or Ovary Excis	0	1	0	0	0	0	0	1
Oophorectomy w/o hysterect	4	0	0	1	0	2	2	9
Oophorectomy with hysterect	0	0	0	0	1	0	0	1
BSO without hysterectomy	2	0	0	1	0	1	2	6
BSO with hysterectomy	6	0	0	3	2	2	3	16
Oophorect/Omentum,unk hyst	0	1	0	0	0	0	0	1
Oophorect/Omentum,w/o hyst	4	5	2	4	1	1	3	20
Oophorect/Omentum,w/hyst	11	8	5	8	12	6	16	66
Debulking, NOS	7	3	11	11	4	12	8	56
Debulking w/colon resect	3	2	0	5	8	11	9	38
Debulking w/colon/urinary	1	0	0	0	2	2	1	6
Pelvic Exenteration	0	0	0	2	0	0	0	2
Surgery NOS	0	0	0	0	1	0	1	2
Surgery total by Year	38	20	18	35	31	37	45	224

Survival Comparisons - GYN Malignancies
Registry Data vs. NCDB or SEER Data

Cervix

	Localized (Stg 1)		Regional (Stg 2-3)		Distant (Stg 4)		All Stages	
	Registry	NCDB	Registry	NCDB	Registry	NCDB	Registry	NCDB
1 yr	96%	97%	84%	85%	50%	47%	85%	91%
2 yr	95%	94%	67%	70%	34%	26%	74%	82%
3 yr	91%	90%	54%	61%	26%	19%	65%	76%
4 yr	91%	87%	49%	53%	17%	15%	62%	72%
5 yr	91%	84%	40%	49%	17%	12%	57%	68%
10 yr	90%	Not Avail	34%	Not Avail	12%	Not Avail	52%	Not Avail

Uterus

	Localized		Regional		Distant		All Stages	
	Registry	NCDB	Registry	NCDB	Registry	NCDB	Registry	NCDB
1 yr	96%	97%	96%	88%	68%	48%	93%	92%
2 yr	92%	93%	81%	76%	29%	31%	85%	86%
3 yr	87%	90%	70%	68%	24%	22%	79%	81%
4 yr	85%	86%	64%	62%	22%	17%	76%	85%
5 yr	81%	83%	61%	57%	21%*	15%	72%	74%
10 yr	67%	Not Avail	56%	Not Avail	13%*	Not Avail	60%	Not Avail

Cervix and Uterus, Registry Data: Analytic Cases 1990 to 2006.

NCDB Data: Cases Diagnosed in 1998 and 1999, Comprehensive Community Cancer Centers.
Observed Survival Rates

Ovary

	Localized		Regional		Distant		All Stages	
	Registry	SEER	Registry	SEER	Registry	SEER	Registry	SEER
1 yr	99%	99%	100%	88%	80%	68%	85%	75%
2 yr	99%	97%	95%	80%	60%	52%	71%	62%
3 yr	99%	96%	94%	75%	45%	40%	61%	54%
4 yr	95%	95%	84%	71%	32%	35%	50%	48%
5 yr	95%	94%	84%	68%	28%	30%	47%	45%
10 yr	91%	90%	33%*	62%	19%	20%	37%	40%

Ovary, Registry Data: Analytic Cases 1990 to 2006.

SEER Data: Cases from SEER Registries 1988 to 2003
Relative Survival Rates

* fewer than 10 cases used for calculation