

# Malignant Melanoma of Skin Comparison to NCCN guidelines

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**Data Source:** Cancer registry information on Clark level III or IV skin cancers (melanoma) for 1/1/2003 to 10/31/2004.

**Reason for Report:** To determine if locally we are following NCCN guidelines.

**Findings:** During this time period, there were 72 cases of Clark's Level III-V malignant melanoma:

Clark Level III	=33
Clark Level IV	=35
Clark Level V	=2
Unknown, biopsy elsewhere	=2

Of all these cases, 40 (56.3%) had sentinel lymph node or lymph node dissections done.

NCCN guideline for 1-4 mm thickness or positive lymph nodes is **clinical trial** vs. **alpha-interferon** vs. **observation**:

- 4 patients had positive lymph nodes; 50% were given Interferon.
- 2 Patients with negative lymph nodes were given Interferon (1.5 mm thickness without ulcer; 2.5 mm thickness with ulcer)
- Patients given Interferon = 4/72 (5.56%)
- All but one patient had adequate margins (melanoma of cheek, deep marg close)

## Other interesting facts:

The average age for this group of melanoma cases is 56.5 with the range being 14-87.  
The average age for patients with Clark Levels I-II is 52.5 with range being 19-87.

The following the number of cases in this study by sex:

Male	= 31
Female	= 41

**Conclusions:** All patients are within NCCN guidelines since NCCN does not make specific recommendation as to further staging and treatment.

The following is a comparison of our experience with the NCDB database from the American College of Surgeons Commission on Cancer.

**NOTE:** This table does not include the 66 cases that were class of case 6 (diagnosed and treated in the physician office). Our percentages by stage including class of case 6 cases are:

Stage 0 = 12 (16.46%)  
 Stage 1= 47 (59.59%)  
 Stage 2 = 8 (10.13%)  
 Stage 3 = 4 (5.06%)  
 Stage 4 = 1 (1.27%)  
 Unknown = 6 (7.59%)

### STAGE of Melanoma - Skin Cancer Diagnosed in 2001

All Reported Cases - HOSP. TYPE: Comprehensive Community Cancer Center

St. Joseph Hospital, Bellingham, WA vs. Hospitals in All States - Data From 447 Hospitals

	N (cases)		% (percent)	
	Sum		Sum	
	Reported by		Reported by	
	Other	My Hosp.	Other	My Hosp.
<b>STAGE</b>				
<b>0</b>	2,605	1	24.00	7.69
<b>I</b>	3,835	5	35.33	38.46
<b>II</b>	1,613	2	14.86	15.38
<b>III</b>	1,073	1	9.89	7.69
<b>IV</b>	385	1	3.55	7.69
<b>NA</b>	19	0	0.18	0.00
<b>Unknown</b>	1,324	3	12.20	23.08
<b>Total</b>	10,854	13	100.00	100.00

Source: NCDB, Commission on Cancer, ACoS. Benchmark Reports, v3.0

The following tables are an excerpt from the Washington State Cancer Registry incidence and mortality by age for the whole state of Washington.

<b>Melanoma of the Skin , 2002</b>	<b>Washington State Residents</b>		
<b>Incidence</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
<b>All Reportable Cancers</b>	1,209	1,014	2,224
<b>WA State Age-adjusted Rate/100,000 (Year 2000 US Standard)</b>	44.8	32.6	37.6
<b>2001 National Age-adjusted Rate/100,000 (Year 2000 US Standard)</b>	35.8	23.5	28.5

<b>Melanoma of the Skin , 2002</b>	<b>Washington State Residents</b>		
<b>Mortality</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
<b>Deaths</b>	92	63	155
<b>WA State Age-adjusted Rate/100,000 (Year 2000 US Standard)</b>	3.5	2.0	2.7
<b>2001 National Age-adjusted Rate/100,000 (Year 2000 US Standard)</b>	3.9	1.7	2.7

<b>Melanoma of the Skin , 2002</b>	<b>Washington State Residents</b>		
<b>Stage At Diagnosis</b>	<b>Observations</b>	<b>Percent</b>	
<b>In Situ</b>	946	43	
<b>Localized</b>	1050	47	
<b>Regional</b>	103	5	
<b>Distant</b>	44	2	
<b>Unstaged</b>	81	4	