

**Table 1. Cancer Incidence 1992 – 2000, Comparison Between Lewiston, ID and Clarkston, WA Zip Codes (83501 and 99403) and the Remainder of State of Idaho**

Cancer Site/Type	Sex	ZIP Codes 83501& 99403						Remainder of Idaho		
		Observed Cases	Person Years	Crude Rate (1)	A. A. I Rate (1,2)	Expected Cases (3)	P-Value (4)	Observed Cases	Person Years	Crude Rate (1)
All sites combined	Total	2,628	451,772	581.71	457.53	2,341.9	0.000 >>	41,178	10,099,656	407.72
All sites combined	Male	1,453	218,079	666.27	517.49	1,220.5	0.000 >>	21,887	5,035,288	434.67
All sites combined	Female	1,175	233,694	502.80	399.12	1,121.4	0.114	19,291	5,064,368	380.92
Bladder	Total	125	451,772	27.67	21.09	16.9	0.423	1,976	10,099,656	19.57
Bladder	Male	97	218,079	44.48	33.52	89.3	0.442	1,554	5,035,288	30.86
Bladder	Female	28	233,694	11.98	8.76	26.6	0.841	422	5,064,368	8.33
Brain	Total	43	451,772	9.52	8.43	34.5	0.183	684	10,099,656	6.77
Brain	Male	31	218,079	14.22	12.62	19.4	0.018 >>	397	5,035,288	7.88
Brain	Female	12	233,694	5.13	4.48	15.2	0.505	287	5,064,368	5.67
Breast	Total	356	451,772	78.80	62.21	353.4	0.905	6,237	10,099,656	61.75
Breast	Male	2	218,079	0.92	0.72	2.1	1.000	39	5,035,288	0.77
Breast	Female	354	233,694	151.48	123.33	351.3	0.899	6,198	5,064,368	122.38
Cervix	Female	18	233,694	7.70	7.02	19.7	0.813	389	5,064,368	7.68
Colon	Total	240	451,772	53.12	39.24	184.6	0.000 >>	3,049	10,099,656	30.19
Colon	Male	16	218,079	53.19	40.14	85.9	0.002 >>	1,497	5,035,288	29.73
Colon	Female	124	233,694	53.06	38.49	98.7	0.016 >>	1,552	5,064,368	30.65
Endometrium	Female	69	233,694	29.53	23.68	65.3	0.679	1,135	5,064,368	22.41
Esophagus	Total	21	451,772	4.65	3.66	21.5	1.000	378	10,099,656	3.74
Esophagus	Male	15	218,079	6.88	5.39	15.4	0.854	297	5,035,288	5.90
Esophagus	Female	6	233,694	2.57	1.89	5.1	0.793	81	5,064,368	1.60
Hodgkin's Lymphoma	Total	12	451,772	2.66	2.49	13.0	0.916	273	10,099,656	2.70
Hodgkin's Lymphoma	Male	8	218,079	3.67	3.43	6.9	0.787	150	5,035,288	2.98
Hodgkin's Lymphoma	Female	4	233,694	1.71	1.59	6.1	0.544	123	5,064,368	2.43
Kidney and Renal Pelvis	Total	62	451,772	13.72	11.06	53.8	0.292	969	10,099,656	9.59
Kidney and Renal Pelvis	Male	28	218,079	12.84	10.36	31.7	0.588	590	5,035,288	11.72
Kidney and Renal Pelvis	Female	34	233,694	14.55	11.51	22.1	0.022 >>	379	5,064,368	7.48
Larynx	Total	21	451,772	4.65	3.77	18.0	0.537	326	10,099,656	3.23
Larynx	Male	14	218,079	6.42	5.05	14.9	0.959	270	5,035,288	5.36
Larynx	Female	7	233,694	3.00	2.48	3.1	0.080	56	5,064,368	1.11
Leukemia	Total	45	451,772	9.96	8.07	66.1	0.008 <<	1,196	10,099,656	11.84
Leukemia	Male	24	218,079	11.01	8.87	37.8	0.022 <<	704	5,035,288	13.98
Leukemia	Female	21	233,694	8.99	7.23	28.2	0.198	492	5,064,368	9.71
Leukemia - Acute Myeloid	Total	17	451,772	3.76	2.95	16.7	1.000	293	10,099,656	2.90
Leukemia - Acute Myeloid	Male	8	218,079	3.67	2.84	10.1	0.636	181	5,035,288	3.59
Leukemia - Acute Myeloid	Female	9	233,694	3.85	3.02	6.6	0.441	112	5,064,368	2.21
Liver	Total	13	451,772	2.88	2.21	15.3	0.671	263	10,099,656	2.60
Liver	Male	9	218,079	4.13	3.24	8.9	1.000	161	5,035,288	3.20
Liver	Female	4	233,694	1.71	1.25	6.4	0.465	102	5,064,368	2.01
Lung and Bronchus	Total	384	451,772	85.00	65.34	304.2	0.000 >>	5,228	10,099,656	51.76
Lung and Bronchus	Male	238	218,079	109.13	83.43	176.1	0.000 >>	3,109	5,035,288	61.74
Lung and Bronchus	Female	146	233,694	62.47	47.69	128.1	0.129	2,119	5,064,368	41.84
Melanoma of the Skin	Total	81	451,772	17.93	15.24	88.1	0.488	1,674	10,099,656	16.57
Melanoma of the Skin	Male	48	218,079	22.01	18.36	48.7	0.997	938	5,035,288	18.63
Melanoma of the Skin	Female	33	233,694	14.12	11.71	39.4	0.348	736	5,064,368	14.53
Multiple Myeloma	Total	34	451,772	7.53	5.73	27.1	0.224	461	10,099,656	4.56
Multiple Myeloma	Male	14	218,079	6.42	4.90	14.6	1.000	258	5,035,288	5.12
Multiple Myeloma	Female	20	233,694	8.56	6.43	12.5	0.060	203	5,064,368	4.01
Non-Hodgkin's Lymphoma	Total	95	451,772	21.03	16.70	94.6	0.996	1,680	10,099,656	16.63
Non-Hodgkin's Lymphoma	Male	45	218,079	20.63	16.60	47.7	0.765	886	5,035,288	17.60
Non-Hodgkin's Lymphoma	Female	50	233,694	21.40	16.71	46.9	0.690	794	5,064,368	15.68
Oral Cavity and Pharynx	Total	65	451,772	14.39	11.63	59.8	0.533	1,080	10,099,656	10.69
Oral Cavity and Pharynx	Male	42	218,079	19.26	15.40	42.1	1.000	777	5,035,288	15.43
Oral Cavity and Pharynx	Female	23	233,694	9.84	7.77	17.7	0.258	303	5,064,368	5.98
Ovary	Female	47	233,694	20.11	16.51	47.6	1.000	847	5,064,368	16.72
Pancreas	Total	50	451,772	11.07	8.26	51.9	0.865	866	10,099,656	8.57
Pancreas	Male	32	218,079	14.67	11.31	24.3	0.155	433	5,035,288	8.60
Pancreas	Female	18	233,694	7.70	5.59	27.6	0.072	433	5,064,368	8.55
Prostate	Male	510	218,079	233.86	177.10	393.8	0.000 >>	6,885	5,035,288	136.73
Rectum & Rectosigmoid	Total	91	451,772	20.14	15.42	72.9	0.045 >>	1,248	10,099,656	12.36
Rectum & Rectosigmoid	Male	54	218,079	24.76	18.87	41.8	0.080	736	5,035,288	14.62
Rectum & Rectosigmoid	Female	37	233,694	15.83	12.03	31.1	0.332	512	5,064,368	10.11
Stomach	Total	35	451,772	7.75	5.91	32.1	0.650	547	10,099,656	5.42
Stomach	Male	19	218,079	8.71	6.61	19.6	1.000	344	5,035,288	6.83
Stomach	Female	16	233,694	6.85	5.16	12.4	0.376	203	5,064,368	4.01
Testis	Male	14	218,079	6.42	6.38	13.3	0.926	306	5,035,288	6.08
Thyroid	Total	25	451,772	5.53	5.07	30.2	0.393	619	10,099,656	6.18
Thyroid	Male	4	218,079	1.83	1.65	7.3	0.293	152	5,035,288	3.02
Thyroid	Female	21	233,694	8.99	8.45	22.9	0.791	467	5,064,368	9.22

**Note:**

- 1: Rates are expressed as the number of cases per 100,000 persons per year (person-years).
  - 2: Compare these age and sex-adjusted incidence (A.A.I) rates to the crude rates for the remainder of the State of Idaho.
  - 3: Expected cases are based upon age and sex-specific rates for the remainder of the State of Idaho.
  - 4: P-values compare observed and expected cases, are two tailed, based upon the Poisson probability distribution.
- “<<” denotes significantly fewer cases observed than expected, “>>” denotes significantly more cases observed than expected (p=.05).

**Statistical Notes:**

Rates based upon 10 or fewer cases (numerator) should be interpreted with caution.  
 Rates shown for zip code analyzes are not comparable to those in state or county analyzes due to population estimation procedures.