

July 22, 2016

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Dear Dr. McDaniel,

You requested an assessment of 12 cancer sites (cancers of lung, stomach, kidney, liver, breast, prostate, bladder, colorectum, brain and other nervous system, Hodgkin lymphoma, multiple myeloma, and leukemia) in the most recent 10-year time period by age, gender and ethnicity in the City of Industry. You provided us with following 2010 U.S. Census tracts of the area within 1 mile of Quemetco facility; 4082.02, 4083.01, 4083.02, 4083.03, 4084.01, 4084.02, 4085.01, 4085.04, 4085.05, 4086.30, and 4086.31.

The select area of interest indicated by the 11 census tracts is sparsely populated, yielding unstable age-adjusted, cancer-specific incidence rates. Therefore we applied the Los Angeles county-wide age-adjusted cancer- and sex-specific incidence rates of the 12 cancers to the select area population estimate the range of expected number of cases with 99% certainty. Table 1 shows the reported number of cancer cases from the select area from 2004-2013 and the range of number of cancer cases we would expect to find if the cancers occurred at the same rate as those in Los Angeles County. For example, if male residents of the City of Industry experienced bladder cancers at the same rate as those in Los Angeles County, we would expect that 35 to 69 male patients would be diagnosed with bladder cancer in 2005-2014. We actually observed 61 bladder cancer diagnoses among male patients in the City of Industry during that time period. As seen in Table 1, in the areas within the City of Industry, we did not observe any evidence of unusually high number of cancer cases outside of the expected range, with one borderline exception. We expected to find 9 to 30 cases of kidney cancers among women and observed 30 cases of reported kidney cancers among women, at the upper limit of expected. The observed number among men was within that expected. As stated above, due to low population size, we could not conduct this analysis by ethnicity or age group. Instead, the expected numbers of cases were calculated using an age-adjustment method.

This information is provided on behalf of the Los Angeles County Cancer Surveillance Program and the California Cancer Registry. Please contact us for further information if needed.

Sincerely,

University of Southern California

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Amie Hwang, PhD, MPH
USC Cancer Surveillance Program

CC: Wendy Cozen, DO, MPH, Professor, Department of Preventive Medicine and Pathology.
Thomas Mack, Professor, Department of Preventive Medicine and Pathology.
Dennis Deapen, DrPH, Director, USC Cancer Surveillance Program.
Sandy Kwong, MPH, Research Scientist Supervisor, California Department of Public Health.
Cyllene Morris, PhD, Research Program Director, California Cancer Reporting and Epidemiologic Surveillance Program.
Kurt Snipes, PhD, Chief of Chronic Disease Surveillance & Research, California Department of Public Health.

Table 1. Number of cancer cases in specified census tracks and 99% confidence interval of expected number of cases.

Cancer sites	Males		Females	
	Observed # of cases	Expected range of # of cases ¹	Observed # of cases	Expected range of # of cases ¹
Bladder	61	35-69	19	6-25
Brain/Nervous System	27	12-35	23	20-48
Breast	1	0-6	279	269-353
Colorectal	109	72-118	73	62-106
Hodgkin	9	0-11	4	0-10
Kidney	37	21-49	30	9-30
Leukemia	35	16-42	21	9-31
Liver	36	14-39	8	2-18
Lung	75	70-116	71	58-101
Non-Hodgkin	34	25-56	38	19-47
Prostate	245	207-280	---	---
Stomach	25	12-36	14	7-27

¹99% confidence interval of expected number of cases

