

# APPENDIX A

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CORRESPONDENCE BETWEEN  
THE TRI-COUNTIES REGIONAL CANCER REGISTRY  
AND  
THE OFFICE OF ENVIRONMENTAL HEALTH HAZARD  
ASSESSMENT

Regarding Cancer Incidence in Lompoc, California  
July 21, 1997

AND

LISTING OF SEER SITE RECODES  
FOR  
ICD-O-2 INCIDENCE DATA AND ICD-9 MORTALITY DATA



NOTE TO READERS

Appendix A consists of:

- 1) A three-page letter from Dr. Kiu Nasser, Tri-Counties Regional Cancer Registry, to Dr. Joy Wisniewski, OEHHA, dated July 21, 1997. The letter provides requested information on cancer incidence for Lompoc, California. The actual data are reproduced in Table 1 of the report.
- 2) List of SEER site recodes for ICD-O-2 incidence data and SEER site recodes for ICD-9 mortality data (6 pages). These are codes that were used by the Tri-Counties Regional Cancer Registry in their of the cancer incidence data for Lompoc. The International Classification of Disease, or ICD, codes correspond to the anatomical site description where the cancer was diagnosed.

To request a copy of Appendix A, please contact Dr. Joy Wisniewski at (916) 327-7324. Due to the large volume of memory that these files required as scanned material, they could not be posted on the website.

## **APPENDIX B**

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### **BIRTH DEFECTS AND BIRTH PROFILES**

## NOTE TO READERS

Pages B-1 through B-4 of Appendix B consist of the report produced by the California Birth Defects Monitoring Program (CBDMP) entitled “Birth Defects in Lompoc” and dated September 1996. If you would like a copy of this report, you may contact Dr. Joy Wisniewski of OEHHA at (916) 327-7324. Also, you may contact the CBDMP directly at (209) 224-2212.

Page B-5 is a memorandum from Sonja Bentley, Community Services Manager, CBDMP, to Joy Wisniewski, Staff Toxicologist, OEHHA, dated June 20, 1997. The memo states:

“Per your request, we have looked at our registry data to determine if there were any birth defect cases in zip code 93438 [Lompoc P.O. Boxes] from 1987-1989. We found no (0) cases out of a total of 2 births with this zip code listed on the birth certificate.

Please let me know if I can be of further help.”

Due to the large volume of memory that these files required as scanned material, they could not be posted on the website.

BIRTH PROFILE DATA FROM “BIRTH PROFILES BY COUNTY AND ZIP CODE”

**Table B-1. Ages of Mothers in Lompoc and Comparison Areas for the Years 1988 to 1994<sup>a</sup>**

Year	Percent (%) of Mothers						
	1988	1989	1990	1991	1992	1993	1994
<b>Area</b>							
<i>&lt;20 years</i>							
<b>Lompoc</b>	12.9	14.1	12.1	13.8	14.9	16.2	16.2
<b>Santa Barbara Co.</b>	11.1	10.8	10.9	11.5	12.3	13.1	12.6
<b>San Luis Obispo Co.</b>	10.2	8.8	9.7	9.8	10.3	10.1	10.3
<b>California</b>	11.1	11.4	11.6	11.8	11.8	12.0	12.3
<i>20-29 years</i>							
<b>Lompoc</b>	61.2	59.4	61.5	56.3	54.4	52.9	56.3
<b>Santa Barbara Co.</b>	55.1	56.8	55.9	55.3	53.9	53.4	51.5
<b>San Luis Obispo Co.</b>	54.2	54.5	53.4	53.1	52.1	52.3	48.8
<b>California</b>	57.4	56.6	56.0	55.2	54.3	53.4	52.0
<i>30-34 years</i>							
<b>Lompoc</b>	18.8	18.5	18.6	21.6	22.4	20.7	18.0
<b>Santa Barbara Co.</b>	23.5	22.2	22.3	22.0	21.9	21.9	22.3
<b>San Luis Obispo Co.</b>	25.0	25.2	24.5	24.3	23.4	23.6	25.3
<b>California</b>	21.7	21.6	21.8	21.9	22.2	22.5	22.9
<i>35+ years</i>							
<b>Lompoc</b>	7.0	7.9	7.7	8.3	8.3	10.2	9.5
<b>Santa Barbara Co.</b>	10.2	10.1	10.8	11.1	11.9	11.6	13.6
<b>San Luis Obispo Co.</b>	10.6	11.4	12.3	12.7	14.2	13.9	15.7
<b>California</b>	9.9	10.2	10.6	11.1	11.7	12.1	12.7

<sup>a</sup> From “Birth Profiles by County and Zip Code”, Health Data and Statistics Branch, California Department of Health Services

**Table B-2. Race/Ethnicity of Mothers in Lompoc and Comparison Areas for the Years 1988 to 1994<sup>a</sup>**

Area	Year	Percent (%) of Mothers						
		1988	1989	1990	1991	1992	1993	1994
<i>Native American</i>								
<b>Lompoc</b>		0.4	0.3	0.4	0.4	0.7	0.6	0.7
<b>Santa Barbara Co.</b>		0.4	0.5	0.3	0.3	0.4	0.4	0.4
<b>San Luis Obispo Co.</b>		1.2	0.4	0.4	0.5	0.4	0.4	0.3
<b>California</b>		0.5	0.5	0.4	0.4	0.4	0.5	0.5
<i>Asian/Pacific &amp; Filipino</i>								
<b>Lompoc</b>		6.5	7.1	6.6	7.3	9.4	8.2	7.6
<b>Santa Barbara Co.</b>		4.0	4.0	4.0	4.0	4.2	4.4	4.6
<b>San Luis Obispo Co.</b>		2.8	2.2	2.3	2.4	2.7	3.0	2.2
<b>California</b>		9.3	8.8	9.2	9.4	9.7	9.8	10.2
<i>Black</i>								
<b>Lompoc</b>		6.5	5.4	6.3	5.5	4.9	5.6	7.6
<b>Santa Barbara Co.</b>		2.9	2.4	2.6	2.2	2.3	1.9	2.5
<b>San Luis Obispo Co.</b>		1.7	1.7	1.4	1.3	1.6	1.3	1.3
<b>California</b>		8.5	8.4	7.9	7.7	7.6	7.5	7.3
<i>Hispanic</i>								
<b>Lompoc</b>		24.8	31.7	35.1	37.2	37.8	38.1	41.7
<b>Santa Barbara Co.</b>		39.1	43.3	47.3	49.4	51.8	53.3	54.2
<b>San Luis Obispo Co.</b>		17.4	18.1	20.6	22.3	25.2	25.6	26.1
<b>California</b>		34.3	37.2	40.1	42.3	43.8	44.8	45.4
<i>White</i>								
<b>Lompoc</b>		61.5	54.4	51.5	49.6	47.1	47.5	42.1
<b>Santa Barbara Co.</b>		53.3	49.1	45.6	44.0	41.0	39.8	38.1
<b>San Luis Obispo Co.</b>		76.7	77.5	75.3	73.6	69.6	69.4	70.1
<b>California</b>		46.5	44.4	41.9	39.8	38.0	36.9	36.1

<sup>a</sup> From "Birth Profiles by County and Zip Code", Health Data and Statistics Branch, California Department of Health Services.

**Table B-3. Trimester of First Prenatal Care of Mothers in Lompoc and Comparison Areas for the Years 1988 to 1994<sup>a</sup>**

Year	Percent (%) of Mothers <sup>b</sup>						
	1988	1989	1990	1991	1992	1993	1994
<b>Area</b>							
<i>First trimester</i>							
<b>Lompoc</b>	76.1	70.9	72.8	70.6	69.4	74.1	75.4
<b>Santa Barbara Co.</b>	77.0	73.5	75.2	71.2	72.3	74.0	77.4
<b>San Luis Obispo Co.</b>	79.0	81.3	76.0	74.2	78.3	81.1	80.4
<b>California</b>	74.2	72.1	71.7	72.2	74.5	76.1	77.1
<i>Second trimester</i>							
<b>Lompoc</b>	18.8	23.4	20.4	23.8	23.5	20.1	19.2
<b>Santa Barbara Co.</b>	17.5	19.9	18.3	21.0	20.8	20.2	17.9
<b>San Luis Obispo Co.</b>	14.3	14.2	17.4	19.9	17.4	15.4	15.1
<b>California</b>	18.4	20.0	20.4	20.6	19.4	18.0	17.2
<i>Third trimester</i>							
<b>Lompoc</b>	2.9	4.5	5.0	5.1	5.5	4.7	4.8
<b>Santa Barbara Co.</b>	3.3	5.1	5.3	6.5	5.5	4.6	3.9
<b>San Luis Obispo Co.</b>	2.5	3.3	5.2	5.2	3.5	2.9	3.3
<b>California</b>	4.0	4.9	4.9	4.6	3.9	3.7	3.6
<i>No prenatal care</i>							
<b>Lompoc</b>	1.6	0.8	0.9	0.4	0.5	0.6	0.5
<b>Santa Barbara Co.</b>	1.0	0.9	0.7	1.1	0.9	0.6	0.4
<b>San Luis Obispo Co.</b>	1.4	1.0	0.9	0.5	0.7	0.4	1.0
<b>California</b>	2.1	2.2	2.0	1.7	1.4	1.3	1.2

<sup>a</sup>From "Birth Profiles by County and Zip Code", Health Data and Statistics Branch, California Department of Health Services.

<sup>b</sup>Total percentages may be less than 100 percent due to exclusion of data for unknown trimester of first care.

**Table B-4. Birth Weights in Lompoc and Comparison Areas for the Years 1988 to 1994<sup>a</sup>**

Year	Percent (%) of Live Births						
	1988	1989	1990	1991	1992	1993	1994
<b>Area</b>							
<i>Very low (&lt;1500 grams)</i>							
<b>Lompoc</b>	0.9	1.3	1.3	0.5	1.0	0.6	1.1
<b>Santa Barbara Co.</b>	0.9	0.8	0.8	0.9	0.7	0.9	0.9
<b>San Luis Obispo Co.</b>	0.7	0.9	0.6	0.6	1.0	1.0	1.4
<b>California</b>	1.0	1.1	1.0	1.0	1.0	1.0	1.1
<i>Low (1500-2499 grams)</i>							
<b>Lompoc</b>	5.0	3.8	3.9	3.7	3.5	4.9	4.7
<b>Santa Barbara Co.</b>	3.8	3.9	4.1	4.3	4.3	4.3	4.5
<b>San Luis Obispo Co.</b>	3.7	4.1	4.1	5.8	3.1	4.5	3.5
<b>California</b>	5.0	5.0	4.8	4.8	4.9	5.0	5.0
<i>Normal (2500+ grams)</i>							
<b>Lompoc</b>	94.2	94.8	94.8	95.8	95.5	94.6	94.1
<b>Santa Barbara Co.</b>	95.4	95.3	95.1	94.8	95.0	94.8	94.6
<b>San Luis Obispo Co.</b>	95.6	95.0	95.3	93.5	95.9	94.4	95.1
<b>California</b>	94.0	93.9	94.2	94.2	94.1	94.0	93.8

<sup>a</sup>From "Birth Profiles by County and Zip Code", Health Data and Statistics Branch, California Department of Health Services.

# APPENDIX C

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DISCHARGE CATEGORY  
BY  
DIAGNOSIS RELATED GROUP (DRG) CODE



DISCHARGE CATEGORY BY DIAGNOSIS RELATED GROUP (DRG) CODE <sup>a</sup>

DISCHARGE CATEGORY	DRG CODE	DESCRIPTION OF DRG CODE
1. Bronchitis and asthma & other respiratory	096	Bronchitis/asthma age >17 w/ CC
	097	Bronchitis/asthma age >17 w/o CC
	098	Bronchitis/asthma age 0-17
	099	Respiratory signs/symptoms w/ CC
	100	Respiratory signs/symptoms wo/ CC
	101	Other respiratory diagnoses w/ CC
	102	Other respiratory diagnoses wo/ CC
2. Interstitial lung disease	092	Interstitial lung disease w/ CC
	093	Interstitial lung disease w/o CC
3. Otitis media and upper respiratory disease	068	Otitis media & upper respiratory infection age >17 w/ CC
	069	Otitis media & upper respiratory infection age >17 w/o CC
	070	Otitis media & upper respiratory infection age 0-17
4. Abnormal birth outcomes	385	Neonates, died or transferred to other acute facility
	386	Extreme immaturity or respiratory disease syndrome, neonate
	387	Prematurity with major problems
	388	Prematurity w/o major problems
	389	Full term neonate w/ major problems
	390	Neonate w/ other significant problems
5. Non-therapeutic abortions	380	Abortion w/o D&C
	381	Abortion w/ D&C, aspiration curettage or hysterotomy
6. Female reproductive malignancy	357	Uterine & adnexa proc for ovarian or adnexal malignancy
	363	D&C, conization & radio-implant, for malignancy
	366	Malignancy, female reproductive system w/ CC
	367	Malignancy, female reproductive system w/o CC
7. Pleurisy and pneumonia	089	Simple pneumonia & pleurisy age >17 w/ CC
	090	Simple pneumonia & pleurisy age >17 w/o CC
	091	Simple pneumonia & pleurisy age 0-17
8. Kidney neoplasm	303	Kidney, ureter & major bladder procs for neoplasm
	318	Kidney UT neoplasms w CC
	319	Kidney UT neoplasms w/o CC
9. Male reproductive malignancy	346	Malignancy, male reproductive system, w CC
	347	Malignancy, male reproductive system, w/o CC
10. Myeloproliferative disease	406	Myeloprolif disord or poorly diff neoplasm w/ major O.R. proc w/ CC
	407	Myeloprolif disord or poorly diff neoplasm w/ major O.R. proc w/o CC
	408	Myeloprolif disord or poorly diff neoplasm w/ other O.R. proc
11. Nervous system malignancy	010	Nervous system neoplasms w/ CC
	011	Nervous system neoplasms w/o CC
12. Female breast cancer	257	Total mastectomy for malignancy w/ CC
	258	Total mastectomy for malignancy w/o CC
	259	Subtotal mastectomy for malignancy w/ CC
	260	Subtotal mastectomy for malignancy w/o CC
	274	Malignant breast disorders w/ CC
	275	Malignant breast disorders w/o CC

DISCHARGE CATEGORY BY DIAGNOSIS RELATED GROUP (DRG) CODE <sup>a</sup> (CONT.)

DISCHARGE CATEGORY	DRG CODE	DESCRIPTION OF DRG CODE
13. Respiratory malignancy	082	Respiratory neoplasms
14. Seizures and headaches	024	Seizure & headache age >17 w/ CC
	025	Seizure & headache age >17 w/o CC
	026	Seizure & headache age 0-17
15. Digestive cancer	172	Digestive malignancy w/ CC
	173	Digestive malignancy w/o CC
16. Chronic obstructive pulmonary disease (COPD)	088	Chronic obstructive pulmonary disease (COPD)
17. Respiratory infection and inflammation	079	Respiratory infections & inflammations age >17 w CC
	080	Respiratory infections & inflammations age >17 w/o CC
	081	Respiratory infections & inflammations age 0-17
18. Lymphomas	400	Lymphoma & leukemia w/ major O.R. proc
	401	Lymphoma & non-acute leukemia w/ other O.R. proc w/ CC
	402	Lymphoma & non-acute leukemia w/ other O.R. proc w/o CC
	403	Lymphoma & non-acute leukemia w/ CC
	404	Lymphoma & non-acute leukemia w/o CC

<sup>a</sup> From the Office of Statewide Health Planning and Development. 1993 Discharge Data Tape Format Documentation, January 1995.

Notes:

w/ CC = with complications

w/o CC = without complications

O.R. proc. = operating room procedures