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STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH
BUREAU OF ADULT HEALTH
2002 UNIVERSITY AVENUE
BERKELEY 4, CALIFORNIA

October 21, 1949

TO THE LOCAL HEALTH OFFICER:

The attached tables of occupational diseases occurring in California in 1948 summarize information received by the State Department of Industrial Relations and grouped and tabulated by the State Department of Public Health. In California, physicians who attend an injured employee are required under Section 6407 of the Labor Code to report to the State Department of Industrial Relations all occupational injuries which cause absence from work beyond the day of injury. Disabling injuries, which include diseases in this state, are tabulated by the Department of Industrial Relations on a monthly basis. These data may be obtained on request from that department. The Bureau of Adult Health keeps duplicate records of all individual occupational disease reports.

Table 1 shows the general types of occupational diseases which occur in the 58 counties of the State. Los Angeles County accounted for almost 36% of the cases reported; San Francisco for almost 8%, and Alameda for over 6%.

Table 2 shows that of a total of 15,866 cases of occupational diseases reported during the year 1948 the largest number, about 52%, were diseases of the skin. Of all the skin diseases reported, about 45% were caused by contact with oils, greases and solvents, and 40% were due to contact with poison oak. The second major disease type reported was diseases of the eye and ear, primarily inflammatory diseases of the eye caused by welding flash burns. It is significant to note the continued high incidence of such ancient and preventable occupational diseases as silicosis, lead poisoning and carbon monoxide poisoning.

Of the total number of cases reported in 1948, 31% resulted in lost time (absence beyond the day of injury), 58% in no lost time, and in 17% there was no indication as to whether or not lost time occurred.

Table 3 shows the distribution of fatal occupational diseases by cause. It will be noted that of the 91 reported fatalities from occupational diseases, the greatest number is due to heart disease.

LAM 026330

ABS-044264

Table 4 indicates the types of diseases by major industry groups. Note that agriculture accounted for 1,272 occupational disease reports, being near the top of the list of individual industries in incidence of disease. Table 5 shows the distribution of occupational diseases by lost time status and by industry group in California during 1948. Manufacturing has the highest incidence of occupational disease, with a crude rate of 7.8 cases per thousand workers.

In addition to these reports tabulations of occupational diseases by industry for fifteen selected counties will be distributed shortly. 1949 reports will also be available for California cities at a later date.

The Bureau will be glad to discuss with you the significance of this report for your area and to receive your comments, questions, or criticisms.

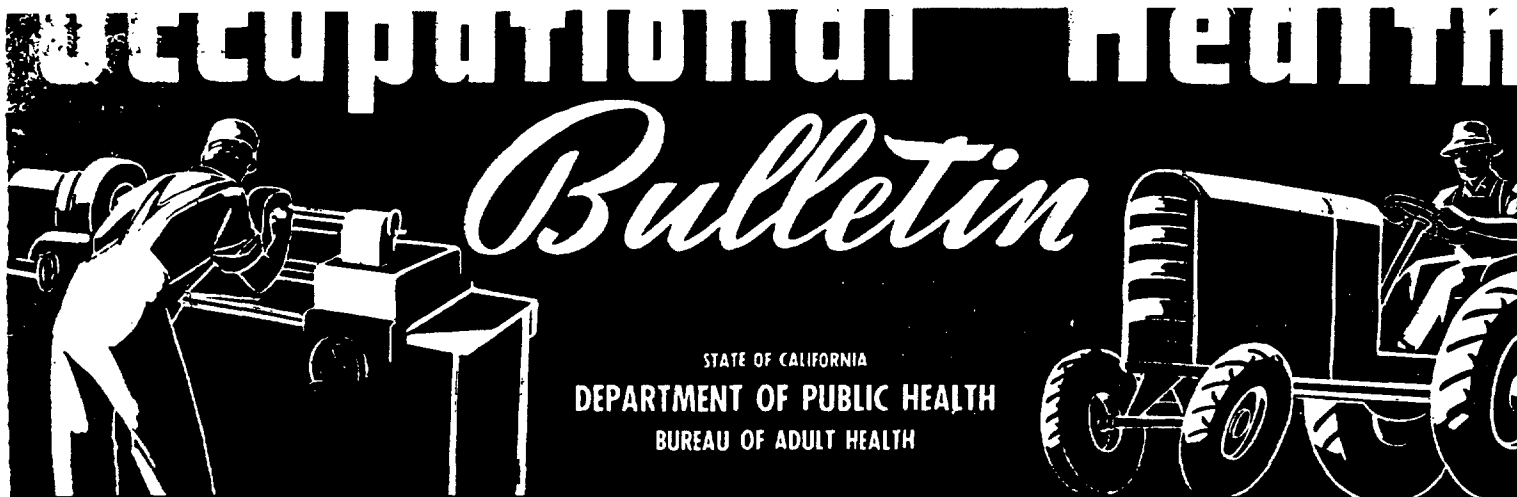
Sincerely yours,


Herbert K. Abrams, M.D.
Chief, Bureau of Adult Health

Encls.

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Occupational Health Bulletin

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH
BUREAU OF ADULT HEALTH

OCCUPATIONAL DISEASES: CALIFORNIA, 1949
STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH
BUREAU OF ADULT HEALTH
2054 UNIVERSITY AVENUE
BERKELEY 4, CALIFORNIA
ANNUAL REPORT

SUMMARY

During 1949 a total of 12,536 diseases attributable to occupational exposure were reported. Fatalities during this period number 105 (Table 2). A third of the persons disabled by industrial illness were absent from work one day or more. Half of the cases reported were occupational dermatitis, with poison oak the principal agent causing skin disease. While new occupational diseases appeared, resulting from agricultural chemicals, beryllium and other relatively new agents, the older occupational diseases continued to take their toll. For example, ninety cases of lead poisoning occurred during the year, and 68 cases of carbon monoxide poisoning.

AGRICULTURE

Twelve percent of all the occupational diseases reported in 1949 affected workers in agriculture. Between 1948 and 1949 the rate of reported occupational disease increased among agricultural workers (from 4.8 to 5.4 per thousand workers), while among workers in manufacturing industries the rate decreased (from 7.8 to 6.3). The increased rate of occupational disability in agriculture in 1949 parallels the increased use of agricultural chemicals. During the year the Bureau of Adult Health received reports of 300 cases of illness in workers exposed to these chemicals (Table 6). Agriculture, and the closely allied food processing industry, accounted for 20 percent of the 1949 reports. ~~These figures do not record the total incidence of industrial disability in this important industry, since only an estimated 45 percent of the workers in agriculture are covered by workmen's compensation.~~

LIMITATIONS OF REPORTS OF OCCUPATIONAL DISEASE

The State Labor Code requires (Section 6407) that physicians who attend an injured employee who is covered by the State Workmen's Compensation Act report all occupational injuries which cause absence from work beyond the day of injury. In accordance with an interagency agreement with the State Department of Industrial Relations, the Bureau of Adult Health, as the State agency responsible for the health of workers in California's industries, reviews the doctor's first report of work injury. The Department of Industrial Relations publishes monthly reports on accidents which cause absence from work of one day or more; the State Department of Public Health reports on occupational diseases. These reports represent an understatement of industrial illness in the State. The California Workmen's Compensation Act does not cover maritime workers, federal employees, railroad workers in interstate commerce, and workers employed by farmers who elect not.

LAM 026332

ABS-044266

to be covered. Furthermore, doctors are not required to report occupational disability if such disability does not last through the day or does not require medical service other than ordinary first-aid treatment. As a consequence, lost time cases are underreported. Since the figures are based on physicians' first reports only (~~final reports are not legally required~~), the data doubtless carry some inaccuracy in diagnosis and in length of disability.

INDEX TO TABLES

Table 1 - Occupational Diseases: Reported Cases by Disease Group. California Counties, 1949.

Table 2 - Occupational Disease Fatalities: California, 1949.

Table 3 - Occupational Diseases: Reported Cases by Disease Group and Lost Time Status. California, 1949.

Table 4 - Occupational Diseases: Reported Cases by Industry and Lost Time Status. California, 1949.

Table 5 - Occupational Diseases: Reported Cases by Disease Group and Major Industry Group. California, 1949.

Table 6 - Occupational Diseases Due to Agricultural Chemicals: Reported Cases by Occupation. California, 1949.

Table 7 - Occupational Diseases Due to Agricultural Chemicals: Reported Cases by Type of Disease. California, 1949.

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ABS-044267

CALIFORNIA DEPARTMENT OF PUBLIC HEALTH

BUREAU OF ADULT HEALTH 2002 ACTON STREET, BERKELEY 2

Table 1
OCCUPATIONAL DISEASES¹: REPORTED CASES BY DISEASE GROUP
CALIFORNIA COUNTIES², 1949

DISEASE GROUP	California Total	Alameda	Alpine	Amador	Butte	Calaveras	Colusa	Contra Costa	Del Norte	El Dorado	Fresno	Glenn	Humboldt	Imperial	Inyo	Kern	Kings	Lake	Lassen	Los Angeles	Madera	Marin	Mariposa	Mendocino	Merced	Modoc	Mono	Monterey	Napa	Nevada
Total, All Diseases	12,536	803	-	16	168	14	58	246	31	59	357	14	239	76	21	251	59	20	22	4,381	65	58	10	125	96	12	-	233	79	37
Infective and Parasitic Diseases	144	9	-	-	-	1	-	1	-	-	4	-	1	-	-	5	1	-	2	25	2	-	1	-	-	-	-	3	1	-
Diseases of the Central Nervous System and Peripheral Nerves	80	3	-	-	1	-	-	1	-	-	2	-	3	1	-	1	-	-	-	33	1	-	-	-	-	-	-	3	-	-
Inflammatory Diseases of the Eye, Total	1,899	114	-	1	13	7	2	45	-	7	63	1	17	24	7	76	9	1	2	845	11	2	-	6	17	3	-	29	6	-
Conjunctivitis and ophthalmia due to welding flash burns	1,806	108	-	1	12	7	2	43	-	7	60	1	16	24	7	75	9	1	2	811	11	2	-	5	13	3	-	28	6	-
Other conjunctivitis and ophthalmia	93	6	-	-	1	-	-	2	-	-	3	-	1	-	-	1	-	-	-	34	-	-	-	1	4	-	-	1	-	-
Diseases of the Ear	46	1	-	-	-	-	-	-	-	-	2	-	-	-	-	1	-	-	-	27	-	-	-	-	-	-	-	-	-	2
Diseases of the Respiratory System	452	27	-	1	5	-	2	5	1	1	14	-	3	3	4	9	3	1	-	210	4	-	3	2	6	-	-	7	4	5
Diseases of the Skin, Total	6,838	430	-	13	127	4	49	138	28	43	178	9	187	24	3	98	26	18	5	2,052	38	39	2	100	55	4	-	166	56	26
Occupational dermatitis due to poison oak	2,937	223	-	10	89	3	28	44	14	31	28	2	131	1	-	13	1	15	1	567	27	32	1	74	2	-	-	89	40	18
All other diseases of the skin	3,901	207	-	3	38	1	21	94	14	12	150	7	56	23	3	85	25	3	4	1,485	11	7	1	26	53	4	-	77	16	8
Diseases of the Bones and Organs of Movement, Total	1,644	127	-	-	10	1	3	24	-	7	55	1	20	4	1	21	4	-	6	668	2	11	2	7	3	-	-	13	7	1
Synovitis, bursitis and tenosynovitis	1,245	94	-	-	5	1	2	19	-	5	46	-	18	3	1	15	3	-	5	483	2	9	2	7	3	-	-	10	5	-
Other diseases of bones and organs of movement	399	33	-	-	5	-	1	5	-	2	9	1	2	1	-	6	1	-	1	185	-	2	-	-	-	-	-	3	2	1
Systemic Effects of Industrial Poisons	518	45	-	1	3	-	-	17	-	-	13	1	1	5	2	9	4	-	1	181	2	1	1	3	3	-	-	3	1	-
Effects of Weather, Exposure and Related Conditions	339	6	-	-	4	1	1	1	-	1	15	-	4	11	4	7	6	-	4	110	3	2	1	3	7	5	-	1	1	3
Accidents and Trauma ³	480	32	-	-	5	-	-	12	2	-	11	1	3	4	-	18	6	-	2	205	2	3	-	4	3	-	-	7	1	-
Other Specified Causes	45	6	-	-	-	1	1	-	-	-	-	1	-	-	-	-	-	-	-	15	-	-	-	-	1	-	-	1	1	-
Diagnosis Not Specified	42	3	-	-	-	-	-	1	-	-	-	-	-	-	-	6	-	-	-	9	-	-	-	-	1	-	-	-	1	-

LAM 026334

ABS-044268

Table 1 (Continued)
OCCUPATIONAL DISEASES¹: REPORTED CASES BY DISEASE GROUP
CALIFORNIA COUNTIES², 1949

DISEASE GROUP	Orange	Placer	Plumas	Riverside	Sacramento	San Benito	San Bernardino	San Diego	San Francisco	San Joaquin	San Luis Obispo	San Mateo	Santa Barbara	Santa Clara	Santa Cruz	Shasta	Sierra	Siskiyou	Solano	Sonoma	Stanislaus	Sutter	Tehama	Trinity	Tulare	Tuolumne	Ventura	Yolo	Yuba
Total, All Diseases	196	58	58	145	207	32	238	293	785	324	77	201	217	443	192	107	4	53	55	243	192	47	39	9	204	16	398	64	89
Infective and Parasitic Diseases	3	2	1	1	1	-	-	1	9	4	3	4	-	10	1	1	1	-	2	36	1	-	-	-	1	-	5	1	-
Diseases of the Central Nervous System and Peripheral Nerves	-	-	-	-	2	-	2	-	4	7	2	1	1	2	1	2	-	-	1	1	2	-	-	-	2	-	1	-	-
Inflammatory Diseases of the Eye, Total	12	4	7	29	20	5	36	44	154	42	5	18	21	37	5	11	-	3	9	13	16	-	2	2	24	1	45	6	16
Conjunctivitis and ophthalmia due to welding flash burns	11	4	7	29	19	5	35	40	138	40	4	17	19	32	5	11	-	3	8	10	16	-	2	2	23	1	45	8	16
Other conjunctivitis and ophthalmia	1	-	-	-	1	-	1	4	16	2	1	1	2	5	-	-	-	-	1	3	-	-	-	-	1	-	-	-	-
Diseases of the Ear	1	-	-	-	-	-	-	1	4	-	-	3	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of the Respiratory System	3	4	9	5	2	-	8	2	19	11	-	6	3	8	5	2	-	1	2	8	8	2	1	-	10	-	9	1	3
Diseases of the Skin, Total	132	40	27	58	132	23	134	172	325	161	58	116	162	297	150	68	-	39	31	134	108	32	30	5	93	11	298	43	41
Occupational dermatitis due to poison oak	56	29	11	17	48	21	47	72	148	28	44	76	122	151	91	48	-	18	18	81	8	5	24	2	14	10	231	13	20
All other diseases of the skin	76	11	16	41	84	2	87	100	177	133	14	40	40	146	59	20	-	21	13	53	100	27	6	3	79	1	67	30	21
Diseases of the Bones and Organs of Movement, Total	23	3	1	16	30	-	28	45	150	53	4	36	18	58	26	3	-	6	6	37	40	3	2	-	31	1	20	4	2
Synovitis, bursitis and tenosynovitis	20	3	1	14	29	-	22	36	106	38	4	26	12	46	24	2	-	4	6	30	33	2	2	-	25	1	17	2	2
Other diseases of bones and organs of movement	3	-	-	2	1	-	6	9	44	15	-	10	6	12	2	1	-	2	-	7	7	1	-	-	6	-	3	2	-
Systemic Effects of Industrial Poisons	7	2	3	5	7	2	4	8	81	8	-	7	4	14	1	7	-	-	-	3	3	1	1	-	20	2	5	3	23
Effects of Weather, Exposure and Related Conditions	4	1	4	24	7	-	16	10	2	15	1	3	-	4	-	3	1	3	1	5	6	6	3	1	10	1	3	3	1
Accidents and Trauma ³	11	2	5	6	5	1	0	0	01	11	0	0	0	3	0	2	1	1	1	6	0	0	-	-	11	-	0	1	1
Other Specified Causes	-	-	1	-	1	-	1	-	1	-	1	1	3	1	-	-	1	-	2	-	-	-	-	1	1	-	3	-	-
Diagnosis Not Specified	-	-	-	1	-	1	1	2	5	1	-	-	-	1	-	8	-	-	-	-	-	-	-	-	1	-	-	-	-

¹ Diseases attributable to occupational exposure. Excludes diseases of employees not covered by the California Workmen's Compensation Act, such as maritime workers, railroad workers in interstate commerce, and workers employed by farmers who elect not to be covered. Data on industrial accidents which result in absence from work beyond the day of accident are published monthly by the State Department of Industrial Relations.

² Diseases by county of address given for employer.

³ Included in this category are chemical burns, contusion with intact skin surface and effects of foreign body in eye and ear.

Source: State of California, Department of Industrial Relations. Doctor's First Report of Work Injury. Statistics on occupational diseases compiled by the State Department of Public Health, Bureau of Adult Health.

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Table 2
OCCUPATIONAL DISEASE FATALITIES¹: CALIFORNIA, 1949

D I S E A S E	Number of fatalities
Total, All Diseases	105
Heart Diseases	44
Other Cardiovascular Conditions, Total	<u>6</u>
Embolisms	4
Cerebral haemorrhage	2
Lung Diseases, Total	<u>34</u>
Silico-tuberculosis ²	<u>27</u>
Silicosis	4
Tuberculosis	2
Other pneumoconioses	1
Poisonings, Total	<u>8</u>
Carbon monoxide	2
Carbon tetrachloride	2
Hydrofluoric acid	1
Parathion	1
Sodium arsenite	1
Trichlorethylene	1
Cancer	3
Heatstroke	3
Tetanus	3
Hernia	3
Anaphylactic reaction to bee sting	1

¹ With the exception of silico-tuberculosis deaths, these reports represent death benefits awarded by the Industrial Accident Commission in 1949 to persons covered by the California Workmen's Compensation Act. The tabulation relates to the year in which the claim was paid, and not to the year of death.

² Data on deaths from silico-tuberculosis obtained from the records of the State Department of Public Health.

Source: State of California, Department of Industrial Relations. Reports of fatalities. Statistics compiled by the State Department of Public Health, Bureau of Adult Health.

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Table 3
OCCUPATIONAL DISEASES¹: REPORTED CASES BY DISEASE GROUP AND LOST TIME STATUS
CALIFORNIA, 1949

D I S E A S E G R O U P	Total	L O S T T I M E S T A T U S		
		Lost time	No lost time	Not stated
Total, All Diseases	12,536	4,165	6,877	1,494
Infective and Parasitic Diseases ² , Total	144	81	34	29
Anthrax	3	-	3	-
Brucellosis	5	4	-	1
Other infective and parasitic diseases	136	77	31	28
Diseases of the Central Nervous System and Peripheral Nerves	80	32	34	14
Inflammatory Diseases of the Eye, Total	1,899	662	1,054	183
Conjunctivitis and ophthalmia due to welding flash burns	1,806	632	1,005	169
Other conjunctivitis and ophthalmia	93	30	49	14
Diseases of the Ear	46	14	25	7
Diseases of the Respiratory System, Total	452	162	216	74
Acute upper respiratory infection	122	44	62	16
Influenza, pneumonia and bronchitis	149	63	59	27
Silicosis and other pneumoconioses	8	5	-	3
Other diseases of the respiratory system	173	50	95	28
Diseases of the Skin, Total	6,838	1,853	4,167	818
Occupational dermatitis due to oils, greases, solvents and chemicals	2,727	677	1,651	399
Occupational dermatitis due to poison oak	2,937	790	1,848	299
All other diseases of the skin	1,174	386	668	120
Diseases of the Bones and Organs of Movement, Total	1,644	708	760	176
Synovitis, bursitis and tenosynovitis	1,245	569	549	127
Other diseases of bones and organs of movement	399	139	211	49
Systemic Effects of Industrial Poisons, Total	518	252	167	99
Poisoning by industrial solvents	20	6	11	3
Poisoning by lead and its compounds	90	36	34	20
Poisoning by carbon monoxide ³	145	89	42	14
Other industrial poisons	263	121	80	62
Effects of Weather, Exposure and Related Conditions, Total	339	205	96	38
Heat and insolation	290	186	70	34
Other effects	49	19	26	4
Accidents and Trauma, Total	489	166	284	39
Chemical burns	288	106	167	15
Poisoning by venom	14	7	5	2
Other accidents and trauma (mostly effects of foreign bodies in eyes)	187	53	112	22
Neoplasms, Benign	3	-	2	1
Allergic Disorders	22	9	9	4
Diseases of the Heart (other than rheumatic fever)	12	6	5	1
Diseases of the Digestive and Genito-Urinary System	8	6	2	-
Diagnosis Not Specified	42	9	22	11

¹ See Footnote 1, Table 1.

² In addition to these cases, the Acute Communicable Disease Service of the State Department of Public Health received reports of 2 cases of anthrax from occupational exposure, 18 cases of brucellosis from occupational exposure, and 48 cases of silico-tuberculosis.

³ Includes 77 reports of firemen overcome by smoke.

Sources: State of California, Department of Industrial Relations. Doctor's First Report of Work Injury. Statistics on occupational diseases compiled by the Department of Public Health, Bureau of Adult Health.

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Table 4
OCCUPATIONAL DISEASES¹: REPORTED CASES BY INDUSTRY AND LOST TIME STATUS
CALIFORNIA, 1949

I N D U S T R Y	Total	LOST TIME STATUS		
		Lost time	No lost time	Not stated
Total, All Industries	12,536	4,166	6,878	1,492
Agriculture	1,501	620	681	200
Mining and Quarrying	85	37	36	12
Construction	1,244	436	670	138
Manufacturing, Total	4,518	1,409	2,593	516
Food and kindred products	1,124	447	551	126
Tobacco manufacturing	3	3	-	-
Textile mill products	52	12	35	5
Apparel	67	23	38	6
Lumber and wood products	406	147	214	45
Furniture	101	27	55	19
Paper and paper products	89	17	62	10
Printing and publishing	67	14	46	7
Chemicals	291	69	192	30
Petroleum products	249	85	142	22
Rubber products	61	18	34	9
Leather and leather products	27	7	16	4
Stone, clay and glass products	296	89	169	38
Primary metal industries	368	113	212	43
Fabricated metal products	373	90	238	45
Machinery (except electrical)	202	45	130	27
Electrical machinery	318	92	190	36
Transportation equipment	307	85	192	30
Professional and scientific instruments	49	8	35	6
Miscellaneous manufacturing industries	68	18	42	8
Transportation, Communication and Utilities, Total	829	253	485	91
Transportation	223	74	121	28
Communication	64	18	38	8
Utilities	542	161	326	55
Trade	560	181	292	87
Finance, Insurance and Real Estate	67	14	43	10
Service Industries	947	330	480	137
Government	1,359	407	810	142
Not Stated	1,426	479	788	159

¹ See Footnote 1, Table 1.

Sources: State of California, Department of Industrial Relations. Doctor's First Report of Work Injury. Statistics on occupational diseases compiled by the Department of Public Health, Bureau of Adult Health.

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Table 5
OCCUPATIONAL DISEASES¹: REPORTED CASES BY DISEASE GROUP AND MAJOR INDUSTRY GROUP
CALIFORNIA, 1949

D I S E A S E G R O U P	Total	I N D U S T R Y G R O U P									
		Agri- culture	Mining and quarrying	Con- struction	Manu- facturing	Transpor- tation, communi- cation and utilities	Trade	Finance, insurance and real estate	Service industries	Govern- ment	Not stated
Total, All Diseases	12,536	1,501	85	1,244	4,518	829	560	67	947	1,359	1,426
Infective and Parasitic Diseases, Total	144	22	1	5	26	9	7	1	55	16	2
Anthrax	3	-	-	-	3	-	-	-	-	-	-
Brucellosis	5	-	-	-	3	-	-	-	2	-	-
Other infective and parasitic diseases	136	22	1	5	20	9	7	1	53	16	2
Diseases of the Central Nervous System and Peripheral Nerves	80	7	-	7	39	3	3	2	8	6	5
Inflammatory Diseases of the Eye, Total	1,899	77	37	278	885	126	20	4	86	76	310
Conjunctivitis and ophthalmia due to welding flash burns	1,806	69	36	271	854	123	15	4	70	61	303
Other conjunctivitis and ophthalmia	93	8	1	7	31	3	5	-	16	15	7
Diseases of the Ear	46	-	-	2	12	18	-	2	2	7	3
Diseases of the Respiratory System, Total	452	38	6	35	162	21	10	1	42	83	54
Acute upper respiratory infection	122	14	1	10	56	5	3	-	13	6	14
Influenza, pneumonia and bronchitis	149	15	1	17	47	10	5	1	12	25	16
Silicosis and other pneumoconioses (including asbestosis)	8	-	3	-	5	-	-	-	-	-	-
Other diseases of the respiratory system	173	9	1	8	54	6	2	-	17	52	24
Diseases of the Skin, Total	6,838	1,023	19	601	2,072	538	382	31	527	917	728
Occupational dermatitis due to oils, greases, solvents and chemicals	2,727	265	12	180	1,211	80	286	9	295	95	294
Occupational dermatitis due to poison oak	2,937	468	5	366	351	422	9	14	166	798	338
All other diseases of the skin	1,174	290	2	55	510	36	87	8	66	24	96
Diseases of the Bones and Organs of Movement, Total	1,644	155	2	169	826	48	95	16	112	53	168
Synovitis, bursitis and tenosynovitis	1,245	131	1	143	611	34	63	14	80	40	128
Other diseases of bones and organs of movement	399	24	1	26	215	14	32	2	32	13	40

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Table 5 (Continued)
OCCUPATIONAL DISEASES¹: REPORTED CASES BY DISEASE GROUP AND MAJOR INDUSTRY GROUP
CALIFORNIA, 1949

DISEASE GROUP	Total	I N D U S T R Y G R O U P									
		Agri- culture	Mining and quarrying	Con- struction	Manu- facturing	Transpor- tation, communi- cation and utilities	Trade	Finance, insurance and real estate	Service industries	Govern- ment	Not stated
Systemic Effects of Industrial Poisons, Total	518	61	9	27	202	16	12	3	36	114	38
Poisoning by industrial solvents	20	-	-	2	8	1	-	-	4	3	2
Poisoning by lead and its compounds	90	1	2	7	62	2	3	-	4	3	6
Poisoning by carbon monoxide	145	-	5	9	43	8	7	1	14	47	11
Poisoning by other industrial poisons	263	60	2	9	89	5	2	2	14	61	19
Effects of Weather, Exposure and Related Conditions, Total	339	64	6	48	91	19	9	1	18	41	42
Heat and insolation	290	61	6	46	71	17	4	1	16	29	39
Other effects	49	3	-	2	20	2	5	-	2	12	3
Accidents and Injuries, Total	480	42	3	60	177	22	14	5	53	29	74
Chemical burns	200	10	3	47	110	7	5	1	30	15	46
Poisoning by venom	14	5	-	2	1	-	1	1	1	1	2
Other	187	20	-	20	66	15	8	3	16	13	26
Neoplasms, Benign	3	1	-	-	-	-	1	-	-	1	-
Allergic Disorders	22	5	2	1	5	4	3	-	-	1	1
Diseases of the Heart (other than rheumatic fever)	12	2	-	-	5	1	-	-	3	1	-
Diseases of the Digestive and Genito-Urinary System	8	1	-	1	1	1	-	-	1	3	-
Diagnosis Not Specified	42	2	-	1	15	3	4	1	4	11	1

¹ See Footnote 1, Table 1.

Source: State of California, Department of Industrial Relations, Doctor's First Report of Work Injury. Statistics on occupational diseases compiled by the State Department of Public Health, Bureau of Adult Health.

May 9, 1950

LAM 026340

ABS-044274

Table 6
OCCUPATIONAL DISEASES¹ DUE TO AGRICULTURAL CHEMICALS: REPORTED CASES BY OCCUPATION
CALIFORNIA, 1949

C H E M I C A L	Total	O C C U P A T I O N					
		Field workers	Nursery men	Factory workers	Service	Airplane pilots	Miscel- laneous
Total	300	184	12	29	50	5	20
Arsenic	10	5	-	1	4	-	-
B.H.C. (benzene hexachloride)	4	-	-	3	-	-	1
Chlordane	1	-	-	1	-	-	-
DDT	25	13	-	1	3	-	8
Nicotine	6	3	1	1	1	-	-
Parathion	41	34	2	4	1	-	-
Peat dust	4	3	1	-	-	-	-
Sulphur	22	18	-	2	1	1	1
TEPP and HETP	8	2	-	3	2	-	-
Chemicals, unspecified	16	5	1	5	3	1	1
Chemical sprays, unspecified	101	73	4	3	11	1	9
Fertilizers	12	7	-	2	3	-	-
Insecticides	15	5	2	2	4 ^a	2	-
Weed killers	18	6	-	-	12	-	-
All others (cyanide, Rotenone, zinc, pyrethrum, chlorine, Duro-spray, etc.)	17	10	1	1	5	-	-

¹ See Footnote 1, Table 1.

^a One fatality.

Sources: State of California, Department of Industrial Relations, Doctor's First Report of Work Injury.
Statistics compiled by the State Department of Public Health, Bureau of Adult Health.

May 5, 1950

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ABS-044275

Table 7
OCCUPATIONAL DISEASES¹ DUE TO AGRICULTURAL CHEMICALS: REPORTED CASES BY TYPE OF DISEASE
CALIFORNIA, 1949

C H E M I C A L	Total	T Y P E O F D I S E A S E			
		Systemic	Eye	Skin	Other
Total	300	100	24	157	19
Arsenic	10	-	-	10	-
B.H.C. (benzene hexachloride)	4	-	-	3	1
Chlordane	1	-	-	1	-
DDT	25	6	4	15	-
Nicotine	6	5	-	1	-
Parathion	41	40	-	1	-
Peat dust	4	1	3	-	-
Sulphur	22	6	5	9	2
TEPP and HETP	8	6	-	2	-
Chemicals, unspecified	16	3	1	11	1
Chemical sprays, unspecified	101	12	9	73	7
Fertilizers	12	5	1	6	-
Insecticides	15	3 ^a	1	10	1
Weed killers	18	5	-	11	2
All others (cyanide, Rotenone, zinc, pyrethrum, chlorine, Duro-spray, etc.)	17	8	-	4	5

¹ See Footnote 1, Table 1.

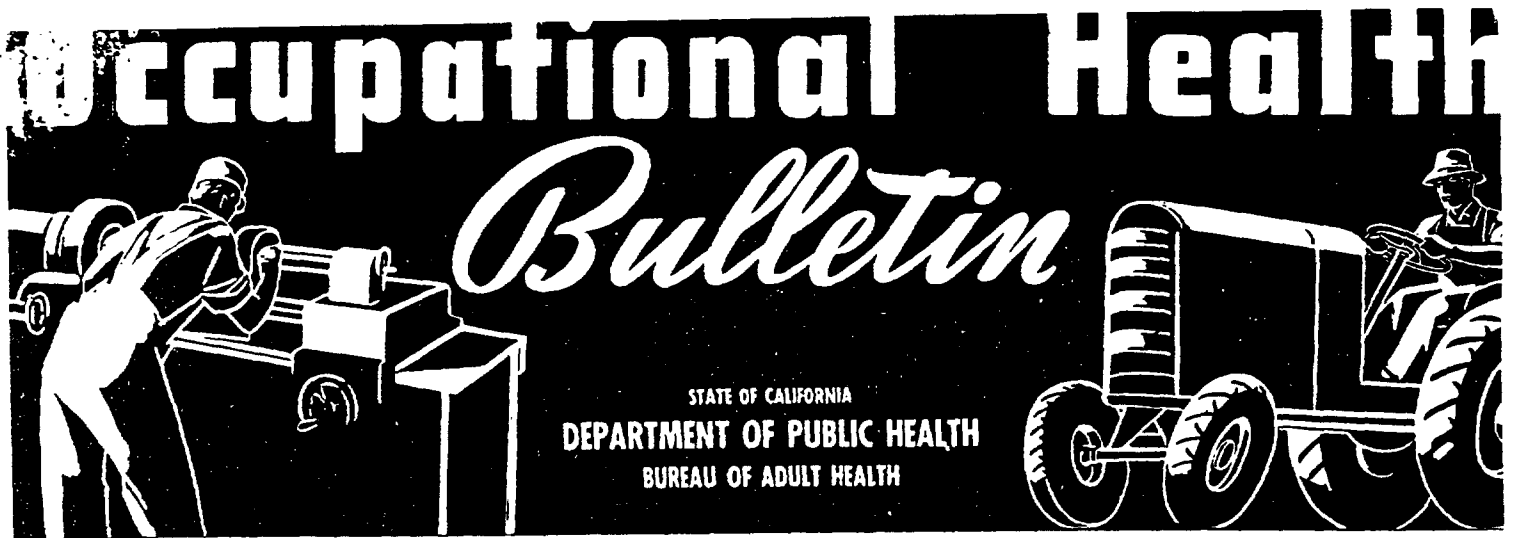
^a One fatality.

Source: State of California, Department of Industrial Relations, Doctor's First Report of Work Injury. Statistics compiled by the State Department of Public Health, Bureau of Adult Health.

May 9, 1950

LAM 026342

ABS-044276



Occupational Health Bulletin

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH
BUREAU OF ADULT HEALTH

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH
BUREAU OF ADULT HEALTH
2054 UNIVERSITY AVENUE
BERKELEY 4, CALIFORNIA

OCCUPATIONAL DISEASES: CALIFORNIA, 1950

ANNUAL REPORT

SUMMARY

Reported cases of diseases attributable to occupational exposure totaled 12,245 during 1950. Of the total number reported, 33% resulted in lost time (absence beyond the day of injury), 57% in no lost time, and in 10% it was not clear from the report whether or not lost time occurred.

54% of all cases reported were diseases of the skin. Half of these were due to poison oak and an almost equally large proportion were caused by contact with oils, greases and solvents. Diseases of the eye made up 14% of the total; nearly all of these were conjunctivitis and ophthalmia caused by welding arc flash burns. Diseases of the bones and organs of movement accounted for 14% of the total. These were mainly synovitis, bursitis and tenosynovitis.

The leading occupational hazards which were responsible for these diseases were plant and animal products (mainly poison oak) which caused 36% of the total, repeated motion, pressure and sudden shock which caused 19%, and radiation (mainly welding arc flash burns) which caused 14%. Many old and well-known hazards such as lead, mercury, carbon monoxide, carbon tetrachloride and silica continued to be reported, as well as relatively newer agents such as beryllium and the newer agricultural chemicals.

35% of all occupational diseases occurred among workers in manufacturing. 15% affected agricultural workers and 14% affected construction workers.

Occupational diseases were reported from all counties except Alpine. Los Angeles County accounted for 34% of the total, San Francisco for 6%, Alameda for 5% and Santa Clara for 4%.

Occupational disease fatalities numbered 85. The distribution of these deaths by cause shows that almost half were due to heart disease. It is significant to note that such preventable diseases as pneumoconiosis caused 27 deaths or 32% of the total. In addition there were two deaths from berylliosis.

SOURCE AND LIMITATIONS OF DATA

Physicians in California who attend an injured employee covered by the State Workmen's Compensation Act are required under Section 6407 of the Labor Code to report to the State Department of Industrial Relations all occupational injuries which cause absence from work beyond the day of injury. The Division of Labor Statistics and Research of the Department of Industrial Relations prepares statistics and reports on injuries due to industrial accidents. In accordance with an interagency agreement, the Bureau of Adult Health of the Department of Public Health reviews and analyzes the occupational disease reports.

The use of these reports is a valuable aid in evaluating the occupational health problem in the State, and in determining which areas and which industries have the greatest need for preventive health services. However, the reporting system is limited by the facts that (1) The California Workmen's Compensation Act does not cover maritime workers, federal employees, railroad workers in interstate commerce, and workers employed by farmers who elect not to be covered. (2) Only a first report is now required and this covers only the preliminary findings made by the physician and does not in all cases reflect the final diagnosis. Also the report gives only the estimated amount of lost time, resulting in some inaccuracy as to the length of disability.

ABS-044277

LAM 026343

INDEX TO TABLES

- Table 1 - Reported Cases of Occupational Diseases by Disease Group and Lost Time Status. California, 1950.
- Table 2 - Reported Cases of Occupational Diseases by Amount of Lost Time and Disease Group. California, 1950.
- Table 3 - Reported Cases of Occupational Diseases by Agency of Injury and Lost Time Status. California, 1950.
- Table 4 - Reported Cases of Occupational Diseases by Industry and Lost Time Status. California, 1950.
- Table 5 - Reported Cases of Occupational Diseases by Amount of Lost Time and Industry Group. California, 1950.
- Table 6 - Reported Cases of Occupational Diseases by Disease Group and Major Industry Group. California, 1950.
- Table 7 - Reported Cases of Occupational Diseases by Disease Group. California Counties, 1950.
- Table 8 - Reported Cases of Occupational Diseases by Industry Group. California Counties, 1950.
- Table 9 - Occupational Disease Fatalities: California, 1950.

LAM 026344

ABS-044278

Table 1
REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY DISEASE GROUP AND LOST TIME STATUS
CALIFORNIA, 1950

D I S E A S E G R O U P	Total	L O S T T I M E S T A T U S		
		Lost time	No lost time	Not stated
Total, All Diseases	12,245	4,052	6,956	1,237
Infective and Parasitic Diseases ² , Total	205	57	112	36
Brucellosis	18	10	1	7
Other infective and parasitic diseases	187	47	111	29
Diseases of the Eye, Total	1,726	596	968	162
Conjunctivitis and ophthalmia due to welding flash burns	1,672	571	946	155
Other conjunctivitis and ophthalmia	51	23	21	7
Non-inflammatory diseases and conditions of the eye	3	2	1	-
Diseases of the Ear	38	13	21	4
Diseases of the Respiratory System, Total	331	149	132	50
Acute upper respiratory infection	60	21	31	8
Influenza, pneumonia and bronchitis	160	82	51	27
Silicosis and other pneumoconioses	9	6	1	2
Other and unspecified diseases of the respiratory system	102	40	49	13
Diseases of the Skin, Total	6,615	1,724	4,219	672
Occupational dermatitis due to oils, greases, solvents and chemicals	2,723	790	1,635	298
Occupational dermatitis due to poison oak	3,302	737	2,239	326
Other diseases of the skin	590	197	345	48
Diseases of the Bones and Organs of Movement, Total	1,703	795	774	134
Synovitis, bursitis and tenosynovitis	1,496	723	659	114
Other diseases of the bones and organs of movement	207	72	115	20
Systemic Effects of Industrial Poisons, Total	339	166	103	70
Poisoning by industrial solvents	23	12	10	1
Poisoning by lead and its compounds	65	28	18	19
Poisoning by carbon monoxide	27	16	8	3
Poisoning by other industrial compounds	224	110	67	47
Effects of Poisoning by Other Substances ³	620	218	351	51
Effects of Weather, Exposure and Related Conditions, Total	273	189	57	27
Heat and insolation	246	179	47	20
Other effects	27	10	10	7
Burns ⁴ , Total	234	85	133	16
Chemical burns	231	83	132	16
Other burns	3	2	1	-

LAM 026345

ABS-044279

Table 1 (continued)
 REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY DISEASE GROUP AND LOST TIME STATUS
 CALIFORNIA, 1950

D I S E A S E G R O U P	Total	L O S T T I M E S T A T U S		
		Lost time	No lost time	Not stated
Neoplasms, Total	6	2	3	1
Malignant	3	2	1	-
Benign	3	-	2	1
Allergic Disorders ⁵	79	35	41	3
Diseases of the Circulatory System	10	9	1	-
Diseases of the Genito-Urinary System	2	2	-	-
Symptoms Referable to Systems or Organs, and Ill-defined Conditions	31	8	20	3
Prophylactic Treatment (Tetanus and rabies) and Medical Examination Without Sickness	28	1	20	7
Not specified	5	3	1	1

¹ Diseases attributable to occupational exposure. Excludes diseases of employees not covered by the California Workmen's Compensation Act, such as maritime workers, railroad workers in interstate commerce, and workers employed by farmers who elect not to be covered.

² In addition to these cases, the Acute Communicable Disease Service of the State Department of Public Health received reports of 1 case of anthrax, 3 cases of psittacosis, 4 cases of tetanus and 36 cases of brucellosis attributed to occupational exposure, as well as 41 cases of silico-tuberculosis.

³ These include effects of poisoning by pharmaceuticals, venom and other unspecified substances; they are mainly effects of insect bites or stings.

⁴ These consist only of burns arising from repeated exposures, mainly from chemicals. Burns from heat, fires or explosions are reported in the accident statistics of the Department of Industrial Relations.

⁵ This includes urticaria, asthma, angioneurotic edema, allergic rhinitis and conjunctivitis, and unspecified allergic disorders.

Source: State of California, Department of Industrial Relations, Doctor's First Report of Work Injury. Statistics compiled by State Department of Public Health, Bureau of Adult Health.

June 20, 1951

LAM 026346

ABS-044280

Table 2
REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY AMOUNT OF LOST TIME AND DISEASE GROUP
CALIFORNIA, 1950

D I S E A S E G R O U P	Total	E S T I M A T E D L O S T T I M E ⁴								Available for mod- ified work
		No lost time	1-6 days	7-14 days	15-28 days	29-182 days	183-364 days	365 days and over	Not stated	
Total, All Diseases	12,245	6,956	1,729	1,555	388	211	3	9	1,237	157
Infective and Parasitic Diseases	205	112	5	18	12	14	1	2	36	5
Diseases of the Eye, Total	1,726	968	509	73	3	2	-	-	162	9
Conjunctivitis and ophthalmia due to welding flash burns	1,672	946	487	70	3	2	-	-	155	9
Other diseases of the eye	54	22	22	3	-	-	-	-	7	-
Diseases of the Ear	38	21	6	7	-	-	-	-	4	-
Diseases of the Respiratory System	331	132	63	41	12	25	-	4	50	4
Diseases of the Skin, Total	6,615	4,219	569	807	177	82	1	1	672	87
Occupational dermatitis due to poison oak	3,302	2,239	306	363	28	5	-	-	326	35
Other diseases of the skin	3,313	1,980	263	444	149	77	1	1	346	52
Diseases of the Bones and Organs of Movement, Total	1,703	774	178	388	144	56	-	-	134	29
Synovitis, bursitis and tenosynovitis	1,496	659	162	349	135	50	-	-	114	27
Other diseases of the bones and organs of movement	207	115	16	39	9	6	-	-	20	2
Systemic Effects of Industrial Poisons	339	103	88	48	12	14	-	-	70	4
Effects of Poisoning by Other Substances ²	620	351	137	57	9	3	-	-	51	12
Effects of Weather, Exposure and Related Conditions, Total	273	57	120	56	8	4	-	-	27	1
Heat and insolation	246	47	118	50	7	3	-	-	20	1
Other effects	27	10	2	6	1	1	-	-	7	-
Burns ³	234	133	37	41	5	-	-	-	16	2
Other Specified Causes	156	85	16	18	5	11	1	2	14	4
Not Specified	5	1	1	1	1	-	-	-	1	-

¹ Diseases attributable to occupational exposure. Excludes diseases of employees not covered by the California Workmen's Compensation Act, such as maritime workers, railroad workers in interstate commerce, and workers employed by farmers who elect not to be covered.

² These include effects of poisoning by pharmaceuticals, venom and other and unspecified substances. They are mainly effects of insect bites or stings.

³ These consist only of burns arising from repeated exposures, mainly from chemicals. Burns from heat, fires and explosions are reported in the accident statistics of the Department of Industrial Relations.

⁴ These figures are based on the Doctor's First Report of Work Injury and therefore are estimates only.

Source: State of California, Department of Industrial Relations, Doctor's First Report of Work Injury. Statistics compiled by State Department of Public Health, Bureau of Adult Health.

LAM 026347

ABS-044281

June 20, 1951

Table 3
REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY AGENCY OF INJURY AND LOST TIME STATUS
CALIFORNIA, 1950

AGENCY OF INJURY	Total	LOST TIME STATUS		
		Lost time	No lost time	Not stated
Total, All Agencies	12,245	4,052	6,956	1,237
Acids	96	20	68	8
Alcohols	2	-	1	1
Aldehydes	4	1	2	1
Alkaline Compounds, Total	799	296	405	98
Caustics	27	11	12	4
Cements	200	70	103	27
Cleaning compounds	70	31	30	9
Soaps	308	104	161	43
Other and unspecified	194	80	99	15
Coal Tar and Aniline Products	106	44	41	21
Cyanides	18	6	12	-
Dusts, Total	322	86	194	42
Non siliceous	5	1	2	2
Organic	188	49	116	23
Asbestos	4	4	-	-
Silica	9	4	3	2
Silicate	116	28	73	15
Dyes and Inks	45	9	32	4
Environmental Factors	481	268	157	56
Gases, Total	152	64	67	21
Carbon monoxide	31	19	9	3
Chlorine	34	12	14	8
Hydrogen sulphide	6	4	2	-
Ammonia	32	10	19	3
Carbon dioxide	4	-	4	-
Sulphur dioxide	12	4	6	2
Other and unspecified	33	15	13	5
Halogenated Hydrocarbon	41	12	14	15
Infections	191	65	98	28
Medicines and Pharmaceuticals	6	3	3	-

LAM 026348

ABS-044282

Table 3 (continued)
 REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY AGENCY OF INJURY AND LOST TIME STATUS
 CALIFORNIA, 1950

AGENCY OF INJURY	Total	LOST TIME STATUS		
		Lost time	No lost time	Not stated
Metals, Total	282	85	162	35
Arsenic	19	9	10	-
Cadmium	2	1	1	-
Chromium	18	1	13	4
Lead	74	30	26	18
Mercury	2	1	1	-
Iron and steel	6	1	4	1
Zinc	24	6	16	2
Aluminum	10	1	7	2
Sulphur	30	9	20	1
Other and unspecified	97	26	64	7
Oils, Fats, Waxes	10	2	7	1
Organic Chemicals	356	142	170	44
Organic Solvents	272	65	184	23
Paints and Varnishes	119	35	69	15
Petroleum Products	262	57	175	30
Plant and Animal Products, Total	4,366	1,118	2,829	419
Poison oak	3,382	753	2,296	333
Other plant and animal products	984	365	533	86
Radiation, Total	1,724	597	965	162
Welding arc	1,669	569	945	155
Sunburn and other actinic radiation	52	27	19	6
X-ray	1	1	-	-
Radio active materials	2	-	1	1
Repeated Motion, Pressure, Sudden Shock	2,290	991	1,124	175
Salts, Inorganic	18	7	10	1
Other and Unspecified	283	79	167	37

¹ Diseases attributable to occupational exposure. Excludes diseases of employees not covered by the California Workmen's Compensation Act, such as maritime workers, railroad workers in interstate commerce, and workers employed by farmers who elect not to be covered.

Source: State of California, Department of Industrial Relations, Doctor's First Report of Work Injury. Statistics compiled by State Department of Public Health, Bureau of Adult Health.

June 20, 1951

LAM 026349

ABS-044283

Table 4
REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY INDUSTRY AND LOST TIME STATUS
CALIFORNIA, 1950

I N D U S T R Y	Total	LOST TIME STATUS		
		Lost time	No lost time	Not stated
Total, All Industries	12,245	4,052	6,956	1,237
Agriculture, Forestry and Fishing	1,323	723	925	175
Mining and Quarrying	65	38	25	2
Construction	1,770	592	989	189
Manufacturing, Total	4,273	1,371	2,501	401
Food and kindred products	1,027	426	504	97
Tobacco manufacturers	1	-	1	-
Textile mill products	44	14	24	6
Apparel	49	13	32	4
Lumber and wood products	471	161	267	43
Furniture and fixtures	97	28	59	10
Paper and allied products	64	17	43	4
Printing and publishing	49	13	31	5
Chemicals	200	66	106	28
Petroleum products	215	55	150	10
Rubber products	41	4	35	2
Leather and leather products	30	11	15	4
Stone, clay and glass products	259	82	143	34
Primary metal industries	352	90	227	35
Fabricated metal products	382	103	233	46
Machinery, except electrical	225	70	142	13
Electrical machinery	348	104	223	21
Transportation Equipment	253	75	153	25
Professional and scientific instruments	65	14	45	6
Miscellaneous manufacturing industries	101	25	68	8
Transportation, Communication and Utilities, Total	644	191	393	60
Transportation	215	68	123	24
Communication	76	14	57	5
Utilities	353	109	213	31
Trade	747	267	386	94
Finance, Insurance and Real Estate	69	21	42	6
Service Industries	865	293	455	117
Government	1,399	388	866	145
Establishments Unknown	590	168	374	48

¹ Diseases attributable to occupational exposure. Excludes diseases of employees not covered by the California Workmen's Compensation Act, such as maritime workers, railroad workers in interstate commerce, and workers employed by farmers who elect not to be covered.

Sources: State of California, Department of Industrial Relations. Doctor's First Report of Work Injury. Statistics compiled by State Department of Public Health, Bureau of Adult Health.

June 20, 1951

ABS-044284

LAM 026350

Table 5
REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY AMOUNT OF LOST TIME AND INDUSTRY GROUP
CALIFORNIA, 1950

INDUSTRY GROUP	Total	ESTIMATED LOST TIME ²								Available for modi- fied work
		No lost time	1-6 days	7-14 days	15-28 days	29-182 days	183-364 days	365 days and over	Not stated	
Total, All Industries	12,245	6,956	1,729	1,555	388	211	3	9	1,237	157
Agriculture, Forestry and Fishing	1,823	925	283	334	57	27	-	1	175	21
Mining and Quarrying	65	25	28	5	1	3	-	-	2	1
Construction	1,770	989	267	221	48	24	-	1	189	31
Manufacturing	4,273	2,501	608	494	141	74	-	4	401	50
Transportation, Communication and Utilities	644	393	112	61	10	5	-	-	60	3
Trade	747	386	68	105	46	32	1	1	94	14
Finance, Insurance and Real Estate	69	42	11	6	2	1	-	-	6	1
Service Industries	865	455	87	108	42	33	1	1	117	21
Government	1,399	866	169	169	27	10	1	-	145	12
Establishments Unknown	590	374	96	52	14	2	-	1	48	3

¹ Diseases attributable to occupational exposure. Excludes diseases of employees not covered by the California Workmen's Compensation Act, such as maritime workers, railroad workers in interstate commerce, and workers employed by farmers who elect not to be covered.

² These figures are based on the Doctor's First Report of Work Injury and therefore are estimates only.

Source: State of California, Department of Industrial Relations, Doctor's First Report of Work Injury. Statistics compiled by State Department of Public Health, Bureau of Adult Health.

LAM 026351
ABS-044285

Table 6
REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY DISEASE GROUP AND MAJOR INDUSTRY GROUP
CALIFORNIA, 1950

D I S E A S E G R O U P	Total	I N D U S T R Y G R O U P									
		Agri- culture	Mining and quarrying	Con- struction	Manu- facturing	Transpor- tation, communi- cation and utilities	Trade	Finance, insurance and real estate	Service	Govern- ment	Not stated
Total, All Diseases	12,245	1,823	65	1,770	4,273	644	747	69	865	1,399	590
Infective and Parasitic Diseases, Total	205	92	1	5	40	3	12	1	33	14	4
Brucellosis	18	4	-	-	12	-	1	-	-	1	-
Other infective and parasitic diseases	187	88	1	5	28	3	11	1	33	13	4
Diseases of the Eye, Total	1,726	66	33	260	947	96	31	-	68	69	156
Conjunctivitis and ophthalmia due to welding flash burns	1,672	65	33	256	926	92	23	-	58	64	155
Other conjunctivitis and ophthalmia	51	1	-	4	19	4	8	-	9	5	1
Non-inflammatory diseases and conditions of the eye	3	-	-	-	2	-	-	-	1	-	-
Diseases of the Ear	38	-	-	2	13	12	1	1	4	4	1
Diseases of the Respiratory System, Total	331	39	3	22	129	19	19	3	32	50	15
Acute upper respiratory infection	60	3	-	6	28	2	4	-	7	5	5
Influenza, pneumonia, bronchitis	160	23	2	12	49	11	10	1	13	35	4
Silicosis and other pneumoconioses	9	1	-	-	5	-	-	-	2	-	1
Other and unspecified diseases of the respiratory system	102	12	1	4	47	6	5	2	10	10	5
Diseases of the Skin, Total	6,615	1,135	14	1,030	1,757	404	460	39	487	1,028	261
Occupational dermatitis due to oils, greases, solvents and chemicals	2,723	408	4	221	1,205	65	367	11	246	87	109
Occupational dermatitis due to poison oak	3,302	602	8	760	346	317	24	24	187	892	142
Other diseases of the skin	590	125	2	49	206	22	69	4	54	49	10
Diseases of the Bones and Organs of Movement, Total	1,703	151	3	226	875	44	140	13	133	43	75
Synovitis, bursitis and tenosynovitis	1,496	127	3	213	764	39	120	11	113	36	70
Other diseases of bones and organs of movement	207	24	-	13	111	5	20	2	20	7	5
Systemic Effects of Industrial Poisons, Total	339	5	4	28	174	10	14	3	21	71	9
Poisoning by industrial solvents	23	-	-	2	14	2	-	-	5	-	-
Poisoning by lead and its compounds	65	-	1	6	56	-	-	-	-	1	1
Poisoning by carbon monoxide	27	-	1	1	11	4	3	-	2	4	1
Poisoning by other industrial poisons	224	5	2	19	93	4	11	3	14	66	7
Effects of Poisoning by Other Substances ²	620	212	4	71	122	26	27	4	40	74	40

LAM 026352

ABS-044286

Table 6. (continued)
REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY DISEASE GROUP AND MAJOR INDUSTRY GROUP
CALIFORNIA, 1950

DISEASE GROUP	Total	I N D U S T R Y G R O U P									
		Agri- culture	Mining and quarrying	Con- struction	Manu- facturing	Transpor- tation, communi- cation and utilities	Trade	Finance, insurance and real estate	Service	Govern- ment	Not stated
Effects of Weather, Exposure and Related Conditions, Total	273	65	2	57	69	10	15	1	13	28	13
Heat and insolation	246	62	2	54	65	6	13	-	7	25	12
Other effects	27	3	-	3	4	4	2	1	6	3	1
Burns ³ , Total	234	21	-	60	84	6	20	1	22	12	8
Chemical burns	231	21	-	60	81	6	20	1	22	12	8
Other burns	3	-	-	-	3	-	-	-	-	-	-
Neoplasms, Total	6	1	-	1	1	-	-	-	-	2	1
Malignant	3	1	-	-	-	-	-	-	-	1	1
Benign	3	-	-	1	1	-	-	-	-	1	-
Allergic Disorders ⁴	79	14	1	4	31	10	8	2	4	1	4
Diseases of the Circulatory System	10	5	-	1	-	1	-	-	2	1	-
Diseases of the Genito-Urinary System	2	1	-	1	-	-	-	-	-	-	-
Symptoms Referable to Systems or Organs and Ill-defined Conditions	31	4	-	2	18	1	-	1	2	1	2
Prophylactic Treatment (tetanus and rabies) and Medical Examination Without Sickness	28	10	-	-	11	2	-	-	3	1	1
Not Specified	5	2	-	-	2	-	-	-	1	-	-

¹ Diseases attributable to occupational exposure. Excludes diseases of employees not covered by the California Workmen's Compensation Act, such as maritime workers, railroad workers in interstate commerce and workers employed by farmers who elect not to be covered.

² These include effects of poisoning by pharmaceuticals, venom and other and unspecified substances; they are mainly effects of insect bites or stings.

³ These consist only of burns arising from repeated exposures, mainly from chemicals. Burns from heat, fires or explosions are reported in the accident statistics of the Department of Industrial Relations.

⁴ This includes urticaria, asthma, angioneurotic edema, allergic rhinitis and conjunctivitis, and unspecified allergic disorders.

Source: State of California, Department of Industrial Relations, Doctor's First Report of Work Injury. Statistics compiled by State Department of Public Health, Bureau of Adult Health.

June 20, 1951

LAM 026353

ABS-044287

Table 7
REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY DISEASE GROUP
CALIFORNIA COUNTIES², 1950

DISEASE GROUP	Total	Alameda	Amador	Butte	Calaveras	Colusa	Contra Costa	Del Norte	El Dorado	Fresno	Glenn	Humboldt	Imperial	Irigo	Kern	Kings	Lake	Lassen	Los Angeles	Madera	Marin	Mariposa	Mendocino	Merced	Modoc	Monro	Monterey	Napa	Nevada
Total, All Diseases	12,245	632	27	149	40	57	267	40	83	379	9	219	65	11	203	45	29	25	4,233	35	46	7	147	114	8	1	196	98	40
Infective and Parasitic Diseases	205	6	-	2	-	-	-	-	-	8	-	-	-	-	72	-	-	2	46	1	1	-	-	-	-	-	3	1	-
Diseases of the Eye, Total	1,726	95	3	12	3	3	56	1	4	63	1	19	17	2	55	6	1	7	791	9	2	-	18	11	2	-	20	7	1
Conjunctivitis and ophthalmia due to welding flash burns	1,672	89	3	11	3	3	56	1	4	57	1	19	17	2	54	6	-	7	776	9	2	-	18	11	2	-	20	7	1
Other diseases of the eye	54	6	-	1	-	-	-	-	-	6	-	-	-	-	1	-	1	-	15	-	-	-	-	-	-	-	-	-	-
Diseases of the Ear	38	5	-	1	-	-	-	1	-	1	-	1	-	-	-	-	-	1	20	-	1	-	-	-	-	-	-	-	-
Diseases of the Respiratory System	331	15	-	5	1	1	5	1	2	12	1	2	2	1	12	3	-	2	126	4	-	-	1	5	-	-	3	4	2
Diseases of the Skin, Total	6,615	325	22	97	27	44	141	37	60	170	6	160	16	1	74	20	20	6	2,076	12	37	4	102	56	4	1	133	66	28
Occupational dermatitis due to poison oak	3,302	169	20	59	26	31	47	15	47	58	1	130	-	-	8	2	16	-	749	8	30	1	89	6	-	-	68	54	28
Other diseases of the skin	3,313	156	2	38	1	13	94	22	13	112	5	30	16	1	66	18	4	6	1,327	4	7	3	13	50	4	1	65	12	-
Diseases of the Bones and Organs of Movement, Total	1,703	127	-	11	1	4	33	-	8	52	1	30	-	3	32	4	2	5	692	3	5	1	13	4	-	-	19	9	4
Synovitis, bursitis and tenosynovitis	1,496	114	-	10	1	2	29	-	7	46	1	27	-	3	29	4	2	4	588	3	5	-	13	3	-	-	14	8	4
Other diseases of the bones and organs of movement	207	13	-	1	-	2	4	-	1	6	-	3	-	-	3	-	-	1	104	-	-	1	-	1	-	-	5	1	-
Systemic Effects of Industrial Poisons	339	13	-	3	-	-	10	-	2	3	-	2	2	2	4	-	-	-	108	-	-	-	-	2	-	-	1	4	2
Effects of Poisoning by Other Substances ³	620	14	2	10	1	2	11	-	2	44	-	3	12	-	16	4	2	2	152	3	-	-	6	22	1	-	8	4	2
Effects of Weather, Exposure and Related Conditions, Total	273	5	-	5	7	1	5	-	3	18	-	1	14	-	7	7	3	-	63	1	-	1	7	7	-	-	2	1	-
Heat and insolation	246	4	-	5	7	1	5	-	3	18	-	1	14	-	6	6	2	-	58	1	-	-	5	7	-	-	2	1	-
Other effects	27	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	5	-	-	1	2	-	-	-	-	-	-
Burns ⁴	234	17	-	2	-	2	4	-	1	4	-	-	2	1	8	-	-	-	93	2	-	-	-	3	-	-	4	2	1
Other Specified Causes	156	9	-	1	-	-	2	-	1	4	-	2	-	1	2	1	1	-	66	-	-	1	-	4	1	-	3	-	-
Not Specified	5	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LAM 026354

ABS-044288

Table 7 (continued)
REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY DISEASE GROUP
CALIFORNIA COUNTIES², 1950

DISEASE GROUP	Orange	Placer	Plumas	Riverside	Sacramento	San Benito	San Bernardino	San Diego	San Francisco	San Joaquin	San Luis Obispo	San Mateo	Santa Barbara	Santa Clara	Santa Cruz	Shasta	Sierra	Siskiyou	Solano	Sonoma	Stanislaus	Sutter	Tehama	Trinity	Tulare	Tuolumne	Ventura	Yolo	Yuba	Not Stated
Total, All Diseases	208	47	24	141	230	33	212	317	744	303	73	257	316	519	176	133	5	48	53	208	206	39	28	12	208	18	287	58	55	2
Infective and Parasitic Diseases	4	-	-	2	1	-	2	4	5	3	-	6	4	2	1	-	-	-	5	5	8	1	1	-	4	-	1	4	-	-
Diseases of the Eye, Total	26	3	2	13	27	2	28	29	140	28	5	30	13	35	5	12	1	8	3	17	16	5	1	1	28	1	21	7	5	-
Conjunctivitis and ophthalmia due to welding flash burns	26	2	7	13	25	2	26	28	129	28	4	29	12	35	5	12	1	8	3	16	15	5	1	1	27	1	21	7	4	-
Other diseases of the eye	-	1	-	-	2	-	2	1	11	-	1	1	1	-	-	-	-	-	-	1	1	-	-	-	1	-	-	-	1	-
Diseases of the Ear	-	-	-	-	-	-	3	1	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of the Respiratory System	9	1	1	5	5	1	5	12	22	7	2	6	4	6	6	3	-	1	1	2	3	-	-	1	6	1	6	3	2	-
Diseases of the Skin, Total	95	33	8	52	137	21	91	197	303	178	59	139	267	343	132	90	3	23	34	131	99	22	21	8	84	14	225	25	35	1
Occupational dermatitis due to poison oak	39	22	3	16	59	14	27	83	193	73	49	109	223	226	76	73	1	9	16	90	2	4	13	6	21	12	148	9	23	1
Other diseases of the skin	56	11	5	36	78	7	64	114	110	105	10	30	44	117	56	17	2	14	18	41	97	18	8	2	63	2	77	16	12	-
Diseases of the Bones and Organs of Movement, Total	31	6	4	34	37	2	26	35	141	42	5	35	11	78	18	3	1	6	5	25	40	1	-	1	27	-	16	5	4	1
Synovitis, bursitis and tenosynovitis	25	6	3	33	31	2	24	32	128	35	5	32	11	74	15	2	1	6	5	25	38	-	-	1	23	-	12	5	4	1
Other diseases of the bones and organs of movement	6	-	1	1	6	-	2	3	13	7	-	3	-	4	3	1	-	-	-	-	2	1	-	-	4	-	4	-	-	-
Systemic Effects of Industrial Poisons	7	1	1	2	4	-	22	4	83	6	-	8	4	10	3	2	-	1	-	6	4	-	-	-	5	-	3	5	-	-
Effects of Poisoning by Other Substances ³	20	2	-	18	9	3	17	17	24	19	1	17	7	19	8	10	-	7	4	10	20	2	3	-	38	-	12	3	7	-
Effects of Weather, Exposure and Related Conditions, Total	2	-	-	6	6	2	12	2	7	13	-	3	2	4	1	10	-	2	-	8	8	8	2	1	11	1	-	3	1	-
Heat and insolation	2	-	-	5	5	2	12	2	5	11	-	3	2	-	-	10	-	2	-	6	8	7	1	1	11	1	-	3	1	-
Other effects	-	-	-	1	1	-	-	-	2	2	-	-	-	4	1	-	-	-	-	2	-	1	1	-	-	-	-	-	-	-
Burns ⁴	9	-	3	4	3	2	3	9	14	4	-	5	3	13	1	-	-	-	1	3	6	-	-	-	2	1	1	1	-	-
Other Specified Causes	4	1	-	5	1	-	3	7	4	3	1	6	1	8	1	3	-	-	-	1	2	-	-	-	3	-	1	2	1	-
Not Specified	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-

¹ Diseases attributable to occupational exposure. Excludes diseases of employees not covered by the California Workmen's Compensation Act, such as maritime workers, railroad workers in interstate commerce, and workers employed by farmers who elect not to be covered.

² Diseases by county of address given for employer.

³ These include effects of poisoning by pharmaceuticals, venom and other and unspecified substances. They are are mainly effects of insect bites or stings.

⁴ These consist only of burns arising from repeated exposures, mainly from chemicals. Burns from heat, fires or explosions are reported in the accident statistics of the Department of Industrial Relations.

Source: State of California, Department of Industrial Relations. Doctor's First Report of Work Injury. Statistics compiled by State Department of Public Health, Bureau of Adult Health.

LAM 026355

ABS-044289

June 20, 1951

Table 8
REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY INDUSTRY GROUP
CALIFORNIA COUNTIES², 1950

INDUSTRY GROUP	Total	Alameda	Amador	Butte	Calaveras	Colusa	Contra Costa	Del Norte	El Dorado	Fresno	Glenn	Humboldt	Imperial	Inyo	Kern	Kings	Lake	Lassen	Los Angeles	Madera	Marin	Mariposa	Mendocino	Merced	Modoc	Mono	Monterey	Napa	Nevada
Total, All Industries	12,245	632	27	149	40	57	267	40	83	379	9	219	65	11	283	45	29	25	4,233	35	46	7	147	114	8	1	196	98	40
Agriculture, Forestry and Fishing	1,823	24	1	28	-	35	48	-	17	102	5	4	22	1	121	18	11	3	150	11	7	1	15	43	2	-	68	35	1
Mining and Quarrying	65	-	2	2	1	-	-	-	1	1	-	2	-	6	4	1	-	-	15	-	-	-	-	2	-	-	-	-	3
Construction	1,770	108	-	15	3	2	46	3	5	73	-	7	5	2	41	5	1	-	682	4	10	-	3	11	-	-	36	4	4
Manufacturing	4,273	267	7	44	13	4	99	27	14	105	4	146	17	-	61	12	1	19	1,842	4	6	-	62	30	5	-	34	28	5
Transportation, Communication and Utilities	644	46	-	8	2	5	13	3	10	15	-	5	-	-	3	1	3	-	206	-	4	-	32	-	-	-	6	5	1
Trade	747	35	-	5	-	1	9	1	2	22	-	8	2	-	13	3	1	2	309	3	3	1	5	7	-	1	15	3	-
Finance, Insurance and Real Estate	69	7	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	24	-	-	-	-	-	-	-	8	1	-
Service	865	73	-	10	1	1	7	1	8	15	-	4	1	2	18	1	1	-	317	3	5	4	3	3	1	-	12	8	6
Government	1,399	48	17	34	20	9	21	-	24	30	-	38	8	-	12	3	10	1	373	10	9	1	23	10	-	-	13	14	19
Not Stated	590	24	-	2	-	-	24	5	2	15	-	5	10	-	10	1	1	-	315	-	2	-	4	8	-	-	4	-	1

LAM 026356

ABS-044290

Table 8 (continued)
REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY INDUSTRY GROUP
CALIFORNIA COUNTIES², 1950

INDUSTRY GROUP	Orange	Placer	Plumas	Riverside	Sacramento	San Benito	San Bernardino	San Diego	San Francisco	San Joaquin	San Luis Obispo	San Mateo	Santa Barbara	Santa Clara	Santa Cruz	Shasta	Sierra	Siskiyou	Solano	Sonoma	Stanislaus	Sutter	Tehama	Trinity	Tulare	Tuolumne	Ventura	Yolo	Yuba	Not Stated
Total, All Industries	208	47	24	141	230	33	212	317	744	303	73	257	316	519	176	133	5	48	53	208	206	39	28	12	208	18	287	58	55	2
Agriculture, Forestry and Fishing	59	23	1	39	26	10	40	56	9	73	20	13	135	73	52	2	-	2	15	53	48	19	4	-	102	1	141	16	18	-
Mining and Quarrying	2	-	-	-	5	-	-	-	-	1	-	-	3	1	-	1	-	-	-	-	2	-	-	-	-	-	6	2	2	-
Construction	12	1	8	14	35	1	24	38	141	39	9	69	65	96	14	21	-	3	6	15	18	1	3	-	22	-	31	3	10	1
Manufacturing	65	4	12	28	68	8	78	81	273	85	3	76	27	173	53	36	4	23	16	72	91	9	7	10	37	7	48	15	7	1
Transportation, Communication and Utilities	4	4	-	6	10	2	6	8	92	23	1	27	14	32	8	4	-	4	-	5	5	-	1	1	4	4	7	2	2	-
Trade	19	4	-	14	22	2	14	47	41	14	6	9	8	22	11	3	-	3	4	14	14	3	1	-	7	-	6	3	5	-
Finance, Insurance and Real Estate	2	1	-	3	2	-	3	2	7	-	-	2	2	-	1	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Service	16	3	1	22	9	1	16	25	49	16	7	29	21	33	17	4	1	3	2	23	14	2	2	-	11	2	17	13	1	-
Government	20	6	2	11	47	8	26	54	96	41	17	26	36	73	15	55	-	9	10	21	12	5	8	1	21	4	19	2	7	-
Not Stated	9	1	-	4	6	1	5	6	36	11	10	6	5	16	5	6	-	1	-	5	2	-	2	-	4	-	12	1	3	-

¹ Diseases attributable to occupational exposure. Excludes diseases of employees not covered by the California Workmen's Compensation Act, such as maritime workers, railroad workers in interstate commerce, and workers employed by farmers who elect not to be covered.

² Diseases by county of address given by employer.

Source: State of California, Department of Industrial Relations, Doctor's First Report of Work Injury. Statistics compiled by State Department of Public Health, Bureau of Adult Health.

LAM 026357

ABS-044291

June 20, 1951

Table 9
OCCUPATIONAL DISEASE FATALITIES¹: CALIFORNIA, 1950

D I S E A S E	Number of fatalities
Total, All Diseases	85
Diseases of the Heart	42
Diseases of the Lung, Total	<u>35</u>
Asbestosis	2
Berylliosis	2
Silicosis	8
Silicotuberculosis ²	16
Unspecified pneumoconiosis	1
Pneumonia	2
Tuberculosis	4
Poisonings, Total	<u>7</u>
Carbon monoxide	1
Carbon tetrachloride	3
Sulfur dioxide gas	1
Sulfur fumes	1
Unspecified chemical	1
Tetanus	1

¹ With the exception of silico-tuberculosis deaths, these reports represent death benefits awarded by the Industrial Accident Commission in 1950 to persons covered by the California Workmen's Compensation Act. The tabulation relates to the year in which the claim was paid, and not to the year of death.

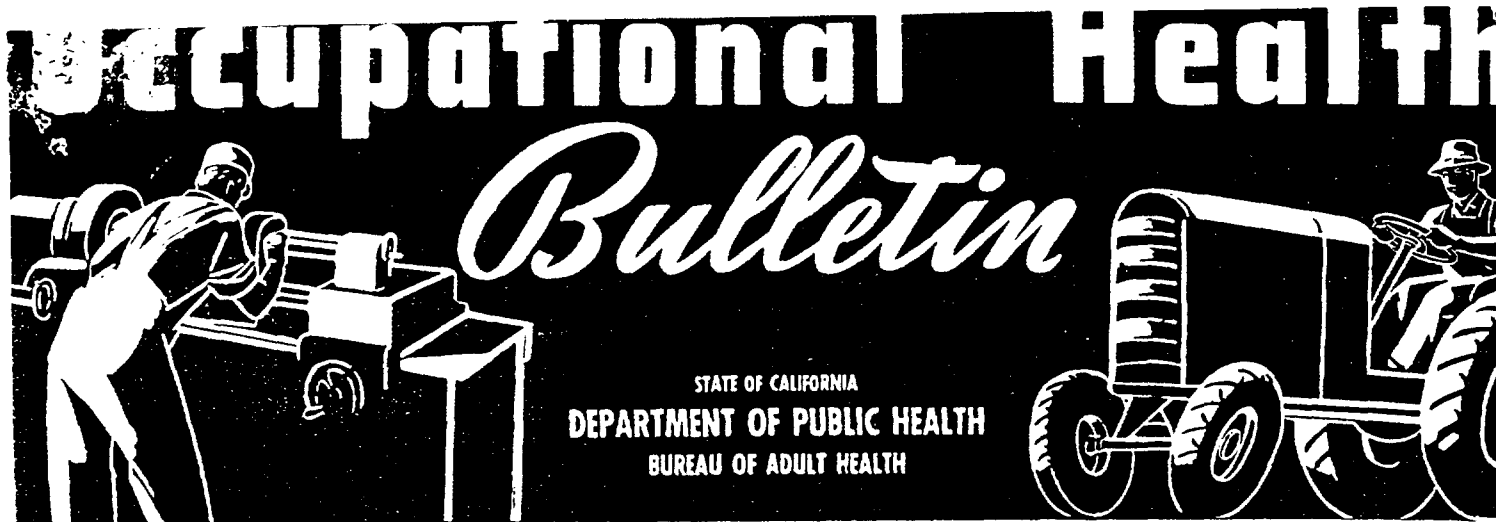
² Data on deaths from silico-tuberculosis obtained from the records of the State Department of Public Health.

Source: State of California, Department of Industrial Relations. Reports of fatalities. Statistics compiled by State Department of Public Health, Bureau of Adult Health.

June 20, 1951

LAM 026358

ABS-044292



STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH
BUREAU OF ADULT HEALTH

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH
BUREAU OF ADULT HEALTH
2004 UNIVERSITY AVENUE
BERKELEY 4, CALIFORNIA

OCCUPATIONAL DISEASES: CALIFORNIA, 1951

ANNUAL REPORT

SUMMARY

During 1951 reported cases of occupational diseases totaled 14,777. 32% of these resulted in absence from work beyond the day of injury, 57% caused no lost time and in 11% it could not be determined from the report whether or not lost time occurred.

Diseases of the skin accounted for 54% of all cases reported. More than half of these cases were caused by oils, greases, solvents and chemicals, and slightly less than half were due to poison oak. Poisoning by venom (mainly insect bites and stings), diseases of the bones and organs of movement, and diseases of the eye (mainly welding flash burns) were each responsible for 11% of the total. Systemic effects of industrial poisons resulted in 3% of the cases. Included in these more serious conditions were 11 cases due to industrial solvents, 68 due to lead, 13 due to other metals, 30 due to carbon monoxide, 148 due to other gases and 174 due to agricultural chemicals. 21 cases of pneumoconiosis were reported.

Workers in manufacturing accounted for 38% of the total number of cases of occupational diseases reported during 1951, agricultural workers for 15% and construction workers for 12%. Agriculture had the highest incidence of reported disabling occupational diseases with a rate of 3.0 per 1000 employees. Construction was second with a rate of 2.5 and manufacturing third with a rate of 1.9.

Occupational diseases were reported from all counties except Alpine and Mono. 34% of the total cases occurred in Los Angeles County, 5% in San Francisco County, 5% in Alameda County and 4% in Santa Clara County.

Occupational disease fatality reports were obtained from several sources. Data on deaths from silico-tuberculosis were obtained from the Department of Public Health vital statistics records. The sources of the remainder of the deaths included in the tabulation are the fatal cases reported to the Department of Industrial Relations and claims before the Industrial Accident Commission. The latter relate to the year in which a settlement was made and not necessarily to the year of death. It should be

LAM 026359

ABS-044293

noted that prior to 1951, the fatalities included were only those for which death benefits were awarded by the Industrial Accident Commission during the year. In addition to these, the 1951 tabulation also includes deaths for which compromise and release settlements were approved by the Commission. Fatalities reported from all these sources numbered 155. Of interest is the fact that such preventable diseases as pneumoconiosis and carbon tetrachloride poisoning accounted for 53 and 5 deaths respectively.

SOURCE AND
LIMITATIONS
OF THE DATA

Every employer of a worker who sustains an industrial injury and every physician in California who attends an injured employee covered by the State Workmen's Compensation Act is required under section 6407 of the Labor Code to file a report of the injury with Department of Industrial Relations.

The Division of Labor Statistics and Research of the Department of Industrial Relations prepares statistics and reports on all disabling work injuries. The Bureau of Adult Health of the Department of Public Health, in accordance with an inter-agency agreement, reviews and analyzes doctor's reports which cover occupational diseases. The number of these reports processed by the Bureau of Adult Health increased considerably during the second six months of 1951. While some of this increase was a result of increased employment, the major factor was an improvement in the procedure for obtaining the occupational disease reports instituted in July following consultations with the Department of Industrial Relations. This change in procedure is expected to be reflected in a further increase in the number of reports to be analyzed for the full year 1952.

The use of these reports is a valuable aid in evaluating the occupational health problem in the State and in determining those areas and those industries which have the greatest need for preventive health services. However, this statistical analysis is subject to several limitations. The California Workmen's Compensation Act does not cover certain groups of the workers such as self-employed, federal employees, maritime workers, railroad workers in interstate commerce and workers employed by farmers who elect not to be covered. Also only a first report is now required. This covers the preliminary findings made by the physician and does not in all cases reflect the final diagnosis. Furthermore, only the estimated amount of lost time can be given, which results in some margin of error concerning the length of disability.

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ABS-044294

INDEX TO TABLES

- Table 1 - Reported Cases of Occupational Diseases by Disease Group and Lost Time Status. California, 1951.
- Table 2 - Reported Cases of Occupational Diseases by Amount of Lost Time and Disease Group. California, 1951.
- Table 3 - Reported Cases of Occupational Diseases by Industry and Lost Time Status. California, 1951.
- Table 4 - Reported Cases of Occupational Diseases by Amount of Lost Time and Industry Group. California, 1951.
- Table 5 - Reported Cases of Occupational Diseases by Agency of Injury and Lost Time Status. California, 1951.
- Table 6 - Reported Cases of Occupational Diseases by Amount of Lost Time and Agency of Injury Group. California, 1951.
- Table 7 - Reported Cases of Occupational Diseases by Disease Group and Major Industry Group. California, 1951.
- Table 8 - Reported Cases of Occupational Diseases by Disease Group. California Counties, 1951.
- Table 9 - Reported Cases of Occupational Diseases by Industry Group. California Counties, 1951.
- Table 10 - Occupational Disease Fatalities: California, 1951.

LAM 026361

ABS-044295

Table 1
REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY DISEASE GROUP AND LOST TIME STATUS
CALIFORNIA, 1951

D I S E A S E G R O U P	Total	L O S T T I M E S T A T U S		
		Lost time	No lost time	Not stated
Total, All Diseases	14,777	4,693	8,497	1,587
Infective and Parasitic Diseases, Total	<u>181</u>	<u>103</u>	<u>42</u>	<u>36</u>
Tuberculosis	32	22	2	8
Brucellosis	7	2	2	3
Anthrax	1	1	-	-
Other infective and parasitic diseases	141	78	38	25
Diseases of the Eye, Total	<u>1,605</u>	<u>488</u>	<u>944</u>	<u>173</u>
Conjunctivitis and ophthalmia due to welding flash	1,566	474	925	167
Other conjunctivitis and ophthalmia	39	14	19	6
Diseases of the Ear	40	14	22	4
Diseases of the Central Nervous System and Peripheral Nerves	52	22	26	4
Diseases of the Respiratory System, Total	<u>358</u>	<u>176</u>	<u>159</u>	<u>63</u>
Acute upper respiratory infection	39	18	17	4
Influenza, pneumonia, bronchitis	215	97	92	26
Silicosis and other pneumoconiosis	21	10	2	9
Other and unspecified diseases of the respiratory system	123	51	48	24
Diseases of the Skin, Total	<u>7,945</u>	<u>2,099</u>	<u>4,976</u>	<u>870</u>
Occupational dermatitis due to oils, greases, solvents and chemicals	3,619	979	2,200	440
Occupational dermatitis due to poison oak	3,381	734	2,329	318
Other diseases of the skin	945	386	447	112
Diseases of the Bones and Organs of Movement, Total	<u>1,590</u>	<u>680</u>	<u>791</u>	<u>119</u>
Synovitis, bursitis and tenosynovitis	1,361	616	651	94
Other diseases of the bones and organs of movement	229	64	140	25
Systemic Effects of Poisons, Total	<u>452</u>	<u>251</u>	<u>126</u>	<u>75</u>
Poisoning by industrial solvents	11	7	-	4
Poisoning by lead and its compounds	68	34	19	15
Poisoning by other metals	13	5	5	3
Poisoning by carbon monoxide	30	18	9	3
Poisoning by other gases and vapors	148	69	55	24
Poisoning by pesticides and other agricultural chemicals	174	113	36	25
Poisoning by other industrial compounds	8	5	2	1
Poisoning by Venom ²	1,635	479	1,028	128
Effects of Weather, Exposure and Related Conditions, Total	<u>188</u>	<u>117</u>	<u>46</u>	<u>25</u>
Effects of heat and insolation	174	109	41	24
Other effects	14	8	5	1
Burns, Chemical ³	247	81	146	20
Neoplasms, Total	<u>10</u>	<u>6</u>	<u>3</u>	<u>1</u>
Malignant	2	2	-	-
Benign	8	4	3	1

Table 1 (continued)
REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY DISEASE GROUP AND LOST TIME STATUS
CALIFORNIA, 1951

D I S E A S E G R O U P	Total	L O S T T I M E S T A T U S		
		Lost time	No lost time	Not stated
Allergic Disorders ⁴	177	57	98	22
Diseases of the Circulatory System	81	50	6	25
Diseases of the Digestive and Genito-Urinary Systems	29	19	6	4
Symptoms Referable to Systems or Organs and Ill-Defined Conditions	46	25	16	5
Prophylactic Treatment and Medical Examination Without Sickness	92	22	57	13
Not Specified	9	4	5	-

¹ Diseases attributable to occupational exposure. Excludes diseases of employees not covered by the California Workmen's Compensation Act, such as self-employed, federal employees, maritime workers, railroad workers in interstate commerce, and workers employed by farmers who elect not to be covered.

² These are mainly effects of insect bites or stings.

³ These consist only of burns arising from repeated exposures. Burns from heat, fires or explosions are reported in the accidental statistics of the Department of Industrial Relations.

⁴ This includes urticaria, asthma, angioneurotic edema, allergic rhinitis and conjunctivitis and unspecified allergic disorders.

Source: State of California, Department of Industrial Relations, Doctor's First Report of Work Injury. Statistics compiled by State Department of Public Health, Bureau of Adult Health.

LAM 026363

June 11, 1952

ABS-044297

Table 2
REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY AMOUNT OF LOST TIME AND DISEASE GROUP
CALIFORNIA, 1951

D I S E A S E G R O U P	Total	E S T I M A T E D L O S T T I M E ⁵								Available for Modified Work
		No lost time	1-6 days	7-14 days	15-28 days	29-182 days	183-364 days	365 days and over	Not stated	
Total, All Diseases	14,777	8,497	2,030	1,752	408	340	7	31	1,587	125
Infective and Parasitic Diseases	181	42	24	21	17	23	1	13	36	4
Diseases of the Eye, Total	1,605	944	418	58	7	-	-	-	173	5
Conjunctivitis and ophthalmia due to welding flash	1,566	925	410	54	5	-	-	-	167	5
Other conjunctivitis and ophthalmia	39	19	8	4	2	-	-	-	6	-
Diseases of the Ear	40	22	3	6	4	-	-	-	4	1
Diseases of the Central Nervous System and Peripheral Nerves	52	26	5	7	4	5	-	1	4	-
Diseases of the Respiratory System	398	159	55	53	21	36	1	6	63	4
Diseases of the Skin, Total	7,945	4,976	704	1,005	196	131	-	-	670	63
Occupational dermatitis due to poison oak	3,381	2,329	326	353	26	11	-	-	318	15
Other diseases of the skin	4,564	2,647	378	649	170	120	-	-	552	48
Diseases of the Bones and Organs of Movement, Total	1,590	791	153	314	115	72	-	-	119	26
Synovitis, bursitis and tenosynovitis	1,361	651	135	295	106	56	-	-	94	24
Other diseases of the bones and organs of movement	229	140	18	19	9	16	-	-	25	2
Systemic Effects of Poisons	452	126	137	72	12	22	2	2	75	4
Poisoning by Venom ²	1,635	1,028	351	112	4	1	-	1	128	10
Effects of Weather, Exposure and Related Conditions	188	46	83	26	4	2	-	1	25	1
Burns ³	247	146	35	31	11	3	-	-	20	1
Neoplasms	10	3	2	1	1	1	-	1	1	-

ABS-044298

LAM 026364

Table 2 (continued)
REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY AMOUNT OF LOST TIME AND DISEASE GROUP
CALIFORNIA, 1951

D I S E A S E G R O U P	Total	E S T I M A T E D L O S T T I M E ⁵								Available for Modified Work
		No lost time	1-6 days	7-14 days	15-28 days	29-182 days	183-364 days	365 days and over	Not stated	
Allergic Disorders ⁴	177	98	18	29	4	3	-	1	22	2
Diseases of the Circulatory System	81	6	2	3	3	35	2	4	25	1
Diseases of the Digestive and Genito-Urinary Systems	29	6	13	1	2	1	-	1	4	1
Other and Unspecified	147	78	27	13	3	5	1	-	18	2

¹ Diseases attributable to occupational exposure. Excludes diseases of employees not covered by the California Workmen's Compensation Act, such as self-employed, federal employees, maritime workers, railroad workers in interstate commerce, and workers employed by farmers who elect not to be covered.

² These are mainly effects of insect bites or stings.

³ These consist of burns arising from repeated exposures. Burns from heat, fires and explosions are reported in the accident statistics of the Department of Industrial Relations.

⁴ This includes urticaria, asthma, angioneurotic edema, allergic rhinitis and conjunctivitis, and unspecified allergic disorders.

⁵ These figures are based on the Doctor's First Report of Work Injury and therefore are estimates only.

Source: State of California, Department of Industrial Relations, Doctor's First Report of Work Injury. Statistics compiled by State Department of Public Health, Bureau of Adult Health.

LAM 026365

ABS-044299

June 11, 1952

Table 3
REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY INDUSTRY AND LOST TIME STATUS
CALIFORNIA, 1951

I N D U S T R Y	Total	LOST TIME STATUS		
		Lost time	No lost time	Not stated
Total, All Industries	14,777	4,693	8,497	1,587
Agriculture, Forestry and Fishing	2,179	839	1,119	221
Mining and Quarrying	73	40	27	6
Construction	1,836	605	1,044	187
Manufacturing, Total	5,606	1,692	3,318	596
Food and kindred products	1,348	568	637	143
Textile mill products	59	21	32	6
Apparel	46	18	23	5
Lumber and wood products	635	190	389	56
Furniture and fixtures	99	16	56	27
Paper and allied products	88	15	64	9
Printing and publishing	48	17	27	4
Chemicals	346	101	212	33
Petroleum products	170	61	90	19
Rubber products	93	29	48	16
Leather and leather products	34	9	24	1
Stone, clay and glass products	345	93	201	51
Primary metal industries	344	99	218	27
Fabricated metal products	514	109	354	51
Machinery, except electrical	365	88	240	37
Electrical machinery	353	72	240	41
Transportation equipment	456	130	276	50
Professional and scientific instruments	135	22	103	10
Miscellaneous manufacturing industries	128	34	84	10
Transportation, Communication and Utilities, Total	702	185	456	61
Transportation	227	61	143	23
Communication	64	12	50	2
Utilities	411	112	263	36
Trade	861	304	454	103
Finance, Insurance and Real Estate	83	22	57	4
Service Industries	1,037	346	552	139
Government	1,495	415	911	169
Industry Not Stated	905	245	559	101

¹ Diseases attributable to occupational exposure. Excludes diseases of employees not covered by the California Workmen's Compensation Act, such as self-employed, federal employees, maritime workers, railroad workers in interstate commerce, and workers employed by farmers who elect not to be covered.

Sources: State of California, Department of Industrial Relations, Doctor's First Report of Work Injury. Statistics compiled by State Department of Public Health, Bureau of Adult Health.

June 11, 1952

LAM 026366

ABS-044300

Table 4
REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY AMOUNT OF LOST TIME AND INDUSTRY GROUP
CALIFORNIA, 1951

INDUSTRY GROUP	Total	ESTIMATED LOST TIME ²								Available for Modified Work
		No lost time	1-6 days	7-14 days	15-28 days	29-182 days	183-364 days	365 days and over	Not stated	
Total, All Industries	14,777	8,497	2,030	1,752	408	340	7	31	1,587	125
Agriculture, Forestry, Fishing	2,179	1,119	386	341	64	28	1	2	221	17
Mining and Quarrying	73	27	15	14	1	5	2	-	6	3
Construction	1,836	1,044	255	240	41	48	-	3	187	18
Manufacturing	5,606	3,318	748	607	162	121	1	6	596	47
Transportation, Communication, and Utilities	702	456	92	71	10	7	-	-	61	5
Trade	861	454	81	128	40	43	-	1	103	11
Finance, Insurance, Real Estate	83	57	6	13	1	2	-	-	4	-
Service Industries	1,037	552	134	119	41	36	1	4	139	11
Government	1,495	911	173	152	30	36	1	15	169	8
Industry Not Stated	905	559	140	67	18	14	1	-	101	5

¹ Diseases attributable to occupational exposure. Excludes diseases of employees not covered by the California Workmen's Compensation Act, such as self-employed, federal employees, maritime workers, railroad workers in interstate commerce, and workers employed by farmers who elect not to be covered.

² These figures are based on the Doctor's First Report of Work Injury and therefore are estimates only.

Source: State of California, Department of Industrial Relations, Doctor's First Report of Work Injury. Statistics compiled by State Department of Public Health, Bureau of Adult Health.

June 11, 1952

LAM 026367

ABS-044301

Table 5
REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY AGENCY OF INJURY AND LOST TIME STATUS
CALIFORNIA, 1951

AGENCY OF INJURY	Total	LOST TIME STATUS		
		Lost time	No lost time	Not stated
Total, All Agencies	14,777	4,693	8,497	1,587
Acids	112	24	71	17
Alcohols	3	1	2	-
Aldehydes	12	2	8	2
Alkaline Compounds, Total	895	314	454	127
Caustics	14	5	8	1
Cements	299	95	159	45
Cleaning compounds	210	80	107	23
Soaps	310	115	143	52
Other and unspecified	62	19	37	6
Coal Tar and Aniline Products	51	14	32	5
Cyanides	21	5	13	3
Dusts, Total	538	135	345	58
Non-siliceous	17	5	11	1
Organic	341	89	214	38
Asbestos	1	-	1	-
Silica	27	7	14	6
Silicate	152	34	105	13
Dyes and Inks	47	13	29	5
Environmental Factors	431	219	165	47
Gases, Total	165	67	73	25
Carbon monoxide	34	19	10	5
Chlorine	28	10	16	2
Fluorine	3	-	2	1
Hydrogen sulphide	4	3	1	-
Ammonia	24	14	9	1
Carbon dioxide	3	3	-	-
Sulphur dioxide	23	5	10	8
Other and unspecified	46	13	25	8
Halogenated Hydrocarbons	55	26	16	13
Infections	137	87	28	22
Medicines and Pharmaceuticals	19	10	7	2

LAM 026368

ABS-044302

Table 5 (continued)
REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY AGENCY OF INJURY AND LOST TIME STATUS
CALIFORNIA, 1951

AGENCY OF INJURY	Total	LOST TIME STATUS		
		Lost time	No lost time	Not stated
Metals, Total	331	102	181	48
Arsenic	2	-	2	-
Chromium	36	9	22	5
Lead	79	33	29	17
Mercury	11	3	7	1
Iron and steel	11	1	8	2
Zinc	18	7	9	2
Aluminum	17	3	12	2
Sulphur	39	13	21	5
Other and unspecified	118	33	71	14
Oils, Fats, Waxes	16	3	12	1
Organic Chemicals	484	199	216	69
Organic Solvents	381	108	234	39
Paints and Varnishes	162	51	90	21
Petroleum Products	464	101	318	45
Plant and Animal Products, Total	4,462	1,156	2,862	444
Poison oak	3,382	734	2,330	318
Other plant and animal products	1,080	422	532	126
Radiation, Total	1,606	489	944	173
Welding arc	1,571	478	926	167
Sunburn and other actinic radiation	34	11	17	6
X-ray	1	-	1	-
Repeated Motion, Pressure, Sudden Shock	3,639	1,363	1,979	297
Salts, Inorganic	14	7	6	1
Other and Unspecified	732	197	412	123

¹ Diseases attributable to occupational exposure. Excludes diseases of employees not covered by the California Workmen's Compensation Act, such as self-employed, federal employees, maritime workers, railroad workers in interstate commerce and workers employed by farmers who elect not to be covered.

Source: State of California, Department of Industrial Relations, Doctor's First Report of Work Injury. Statistics compiled by State Department of Public Health, Bureau of Adult Health.

LAM 026369

June 11, 1952

ABS-044303

Table 6
REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY AMOUNT OF LOST TIME AND AGENCY OF INJURY GROUP
CALIFORNIA, 1951

AGENCY OF INJURY GROUP	Total	ESTIMATED LOST TIME ²								Available for Modified Work
		No lost time	1-6 days	7-14 days	15-28 days	29-182 days	183-364 days	365 days and over	Not stated	
Total, All Agencies	14,777	8,497	2,030	1,752	408	340	7	31	1,587	125
Acids	112	71	11	8	3	2	-	-	17	-
Alcohols	3	2	-	-	1	-	-	-	-	-
Aldehydes	12	8	1	1	-	-	-	-	2	-
Alkaline Compounds	895	454	63	149	41	46	-	-	127	15
Coal Tar and Aniline Products	51	32	7	5	-	1	-	-	5	1
Cyanides	21	13	-	3	-	1	-	-	3	1
Dusts	538	345	40	46	22	21	1	3	58	2
Dyes and Inks	47	29	4	9	-	-	-	-	5	-
Environmental Factors	431	165	112	69	19	11	-	1	47	7
Gases	165	73	39	15	8	4	-	-	25	1
Halogenated Hydrocarbons	55	16	12	9	1	2	-	1	13	1
Infections	137	28	18	12	16	22	2	15	22	2
Medicines and Pharmaceuticals	19	7	1	4	3	2	-	-	2	-
Metals	331	181	32	30	11	22	2	1	48	4
Oils, Fats and Waxes	16	12	1	1	-	1	-	-	1	-

LAM 026370

ABS-044304

Table 6 (continued)
REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY AMOUNT OF LOST TIME AND AGENCY OF INJURY GROUP
CALIFORNIA, 1951

AGENCY OF INJURY GROUP	Total	ESTIMATED LOST TIME ²								Available for Modified Work
		No lost time	1-6 days	7-14 days	15-28 days	29-182 days	183-364 days	365 days and over	Not stated	
Organic Chemicals	484	216	90	78	13	11	-	-	69	7
Organic Solvents	381	234	41	44	11	7	-	1	39	4
Paints and Varnishes	162	90	17	20	6	7	-	-	21	1
Petroleum Products	464	318	25	45	20	6	-	-	45	5
Plant and Animal Products	4,462	2,862	442	593	66	29	-	1	444	26
Radiation (mainly welding arc)	1,606	944	419	58	7	-	-	-	173	5
Repeated Motion, Pressure, Sudden Shock	3,639	1,979	595	480	131	113	1	5	297	38
Salts, Inorganic	14	6	2	5	-	-	-	-	1	-
Other and Unspecified	732	412	58	68	29	32	1	3	123	6

¹ Diseases attributable to occupational exposure. Excludes diseases of employees not covered by the California Workmen's Compensation Act, such as self-employed, federal employees, maritime workers, railroad workers in interstate commerce, and workers employed by farmers who elect not to be covered.

² These figures are based on the Doctor's First Report of Work Injury and therefore are estimates only.

Source: State of California, Department of Industrial Relations, Doctor's First Report of Work Injury. Statistics compiled by State Department of Public Health, Bureau of Adult Health.

LAM 026371

ABS-044305

June 11, 1952

Table 7
REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY DISEASE GROUP AND MAJOR INDUSTRY GROUP
CALIFORNIA, 1951

D I S E A S E G R O U P	Total	I N D U S T R Y G R O U P									
		Agri- culture	Mining and quarrying	Con- struction	Manu- facturing	Transpor- tation, communi- cation and utilities	Trade	Finance, insurance, and real estate	Service	Govern- ment	Not stated
Total, All Diseases	14,777	2,179	73	1,836	5,606	702	861	83	1,037	1,495	905
Infective and Parasitic Diseases, Total	181	20	-	11	44	2	15	-	34	49	6
Tuberculosis	32	-	-	1	2	-	-	-	5	24	-
Brucellosis	7	1	-	-	4	-	1	-	1	-	-
Anthrax	1	1	-	-	-	-	-	-	-	-	-
Other infective and parasitic diseases	141	18	-	10	38	2	14	-	28	25	6
Diseases of the Eye, Total	1,605	50	24	286	846	63	22	1	62	32	219
Conjunctivitis and ophthalmia due to welding flash	1,566	50	22	282	828	63	17	1	56	30	217
Other conjunctivitis and ophthalmia	39	-	2	4	18	-	5	-	6	2	2
Diseases of the Ear	40	-	-	4	9	14	1	-	6	4	2
Diseases of the Central Nervous System and Peripheral Nerves	52	5	-	3	30	1	8	-	3	2	-
Diseases of the Respiratory System, Total	398	32	7	26	191	11	25	-	20	47	28
Acute upper respiratory infection	39	1	-	-	18	3	5	-	5	3	4
Influenza, pneumonia, bronchitis	215	23	1	14	97	4	12	-	14	35	15
Silicosis and other pneumoconiosis	21	-	6	2	11	-	1	-	1	-	-
Other and unspecified diseases of the respiratory system	123	8	-	10	65	4	7	-	10	9	10
Diseases of the Skin, Total	7,945	1,280	22	1,010	2,718	412	490	50	563	1,025	375
Occupational dermatitis due to oils, greases, solvents, and chemicals	3,619	414	15	282	1,876	59	387	9	276	104	197
Occupational dermatitis due to poison oak	3,381	677	6	644	427	332	21	35	226	884	129
Other diseases of the skin	945	189	1	84	415	21	82	6	61	37	49
Diseases of the Bones and Organs of Movement, Total	1,590	128	1	208	821	45	141	15	98	47	86
Synovitis, bursitis and tenosynovitis	1,361	115	1	185	697	38	117	10	85	42	71
Other diseases of the bones and organs of movement	229	13	-	23	124	7	24	5	13	5	15
Effects of Poisons, Total	452	110	11	23	175	10	10	-	45	41	27
Poisoning by industrial solvents	11	-	-	-	5	1	1	-	1	-	3
Poisoning by lead and its compounds	68	-	4	3	52	1	3	-	1	-	4
Poisoning by other metals	13	-	-	1	8	-	-	-	2	1	1
Poisoning by carbon monoxide	30	5	2	4	9	1	-	-	3	4	2
Poisoning by other gases and vapors	148	6	4	14	65	6	2	-	10	32	9
Poisoning by pesticides and other agricultural chemicals	174	97	-	1	33	1	3	-	27	4	8
Poisoning by other industrial compounds	8	2	1	-	3	-	1	-	1	-	-

ABS-044306

LAM 026372

Table 7 (continued)
REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY DISEASE GROUP AND MAJOR INDUSTRY GROUP
CALIFORNIA, 1951

DISEASE GROUP	Total	I N D U S T R Y G R O U P									
		Agri- culture	Mining and quarrying	Con- struction	Manu- facturing	Transpor- tation, communi- cation and utilities	Trade	Finance, insurance, and real estate	Service	Govern- ment	Not stated
Poisoning by Venom ²	1,635	440	3	150	443	110	88	13	117	165	106
Effects of Weather, Exposure and Related Conditions, Total	188	33	1	33	67	7	10	-	11	16	10
Effects of heat and insolation	174	33	1	33	61	5	9	-	9	14	9
Other effects	14	-	-	-	6	2	1	-	2	2	1
Burns, Chemical ³	247	19	-	46	108	8	15	1	22	6	22
Neoplasms, Total	10	-	-	3	2	1	2	1	1	-	-
Malignant	2	-	-	1	-	-	1	-	-	-	-
Benign	8	-	-	2	2	1	1	1	1	-	-
Allergic Disorders ⁴	177	46	-	9	67	8	15	-	9	14	9
Diseases of the Circulatory System	81	6	2	10	21	4	10	2	2	18	6
Diseases of the Digestive and Genito-Urinary Systems	29	2	-	6	9	2	1	-	2	5	2
Symptoms Referable to Systems or Organs and Ill-Defined Conditions	46	4	2	4	20	2	2	-	4	6	2
Prophylactic Treatment and Medical Examination Without Sickness	92	2	-	4	33	2	6	-	25	17	3
Not Specified	9	2	-	-	2	-	-	-	3	1	1

- ¹ Diseases attributable to occupational exposure. Excludes diseases of employees not covered by the California Workmen's Compensation Act, such as self-employed, federal employees, maritime workers, railroad workers in interstate commerce, and workers employed by farmers who elect not to be covered.
- ² These are mainly effects of insect bites or stings.
- ³ These consist only of burns arising from repeated exposures. Burns from heat, fires or explosions are reported in the accident statistics of the Department of Industrial Relations.
- ⁴ This includes urticaria, asthma, angioneurotic edema, allergic rhinitis and conjunctivitis, and unspecified allergic disorders.

Source: State of California, Department of Industrial Relations, Doctor's First Report of Work Injury. Statistics compiled by State Department of Public Health, Bureau of Adult Health.

June 11, 1952

LAM 026373

ABS-044307

Table 8
REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY DISEASE GROUP
CALIFORNIA COUNTIES², 1951

DISEASE GROUP	Total	Alameda	Amador	Butte	Calaveras	Colusa	Contra Costa	Del Norte	El Dorado	Fresno	Glenn	Humboldt	Imperial	Inyo	Kern	Kings	Leite	Los Angeles
Total, All Diseases	14,777	755	36	176	46	70	362	42	66	442	22	292	82	24	286	71	37	26
Infective and Parasitic Diseases	181	7	-	-	-	-	1	-	-	8	-	1	-	-	7	1	-	2
Diseases of the Eye, Total	1,605	121	-	16	2	4	75	1	-	51	2	29	10	4	43	12	-	3
Conjunctivitis and ophthalmia due to welding flash	1,566	120	-	16	2	4	73	1	-	49	2	29	10	4	42	13	-	3
Other conjunctivitis and ophthalmia	39	1	-	-	-	-	2	-	-	2	-	-	-	-	1	-	-	-
Diseases of the Ear	40	6	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Diseases of the Central Nervous System and Peripheral Nerves	52	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Diseases of the Respiratory System	398	24	3	5	2	3	9	2	2	8	1	7	1	4	7	4	1	-
Diseases of the Skin, Total	7,945	351	26	108	25	54	184	34	46	149	10	212	17	7	104	29	25	9
Occupational dermatitis due to poison oak	3,381	145	21	75	19	43	86	19	40	22	3	158	-	-	14	3	19	1
Other diseases of the skin	4,564	206	5	33	6	11	98	15	6	127	7	54	17	7	90	26	6	8
Diseases of the Bones and Organs of Movement, Total	1,590	125	3	11	1	2	37	2	3	53	2	18	2	1	24	4	6	3
Synovitis, bursitis and tenosynovitis	1,361	108	2	11	1	1	27	2	3	45	2	18	1	1	22	4	6	3
Other diseases of the bones and organs of movement	229	17	1	-	-	1	10	-	-	8	-	-	1	-	2	-	-	-
Systemic Effects of Poisons	452	14	-	1	-	1	17	-	8	20	-	2	3	4	31	4	1	1
Poisoning by Venom ³	1,635	40	4	24	13	5	18	2	6	114	5	19	34	2	49	13	2	8
Effects of Weather, Exposure and Related Conditions	188	6	-	4	3	-	2	1	1	10	1	1	12	1	5	-	2	-
Burns ⁴	247	12	-	1	-	-	5	-	-	5	-	1	1	-	8	1	-	-
Neoplasms	10	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Allergic Disorders ⁵	177	9	-	2	-	1	3	-	-	9	1	1	-	-	6	2	-	-
Diseases of the Circulatory System	81	7	-	3	-	-	1	-	-	3	-	-	1	-	1	-	-	-
Diseases of the Digestive and Genito-Urinary Systems	29	5	-	1	-	-	1	-	-	2	-	-	-	-	-	-	-	-
Other and Unspecified	147	27	-	-	-	-	7	-	-	9	-	1	1	1	1	-	-	-

LAM 026374

ABS-044308

Table 8 (continued)
REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY DISEASE GROUP
CALIFORNIA COUNTIES², 1951

DISEASE GROUP	Los Angeles	Madera	Marin	Mariposa	Mendocino	Merced	Modoc	Monterey	Napa	Nevada	Orange	Placer	Plumas	Riverside	Sacramento	San Benito	San Bernardino	San Diego	San Francisco
Total, All Diseases	5,028	57	72	7	194	145	12	229	96	48	280	58	29	198	264	41	339	388	747
Infective and Parasitic Diseases	72	1	-	-	-	2	1	1	2	-	2	1	1	2	7	1	4	5	8
Diseases of the Eye, Total	736	5	4	-	22	16	2	12	4	2	17	2	2	23	20	1	30	18	94
Conjunctivitis and ophthalmia due to welding flash	720	5	3	-	22	15	2	12	4	2	17	1	2	23	19	1	28	16	92
Other conjunctivitis and ophthalmia	16	-	1	-	-	1	-	-	-	-	-	1	-	-	1	-	2	2	2
Diseases of the Ear	22	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	4	-	2
Diseases of the Central Nervous System and Peripheral Nerves	29	-	-	-	1	-	-	1	-	-	1	-	-	3	3	1	1	1	1
Diseases of the Respiratory System	127	1	2	-	6	5	-	9	2	-	14	1	-	12	7	-	12	17	17
Diseases of the Skin, Total	2,544	27	52	5	127	61	4	163	77	23	156	39	10	63	145	25	163	210	328
Occupational dermatitis due to poison oak	638	6	41	1	96	7	-	86	61	19	53	35	4	16	62	17	68	72	182
Other diseases of the skin	1,906	21	11	4	31	54	4	77	16	4	103	4	6	47	83	8	95	146	146
Diseases of the Bones and Organs of Movement, Total	603	1	5	2	7	10	2	17	4	5	23	7	5	19	43	6	21	57	156
Synovitis, bursitis and tenosynovitis	504	1	4	1	5	9	2	17	4	4	19	5	5	17	35	4	19	46	133
Other diseases of the bones and organs of movement	99	-	1	1	2	1	-	-	-	1	4	2	-	2	8	2	2	11	23
Systemic Effects of Poisons	129	1	-	-	1	2	-	4	-	-	11	1	-	10	2	2	25	10	41
Poisoning by Venom ³	462	16	8	-	23	35	2	14	6	13	40	7	9	46	20	2	46	35	58
Effects of Weather, Exposure and Related Conditions	61	1	-	-	2	2	-	1	-	2	1	-	-	5	5	1	11	9	2
Burns ⁴	101	-	1	-	-	1	1	4	1	-	4	-	-	7	6	-	11	8	20
Neoplasms	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Allergic Disorders ⁵	57	4	-	-	3	1	-	2	-	-	3	-	-	3	2	1	3	6	6
Diseases of the Circulatory System	23	-	-	-	1	1	-	-	-	2	5	-	-	3	2	-	2	-	5
Diseases of the Digestive and Genito-Urinary Systems	10	-	-	-	-	1	-	-	-	-	-	-	1	1	-	-	2	-	-
Other and Unspecified	47	-	-	-	1	8	-	1	-	1	2	-	1	1	2	1	4	4	6

LAM 026375

ABS-044309

Table 8 (continued)
REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY DISEASE GROUP
CALIFORNIA COUNTIES², 1951

DISEASE GROUP	San Joaquin	San Luis Obispo	San Mateo	Santa Barbara	Santa Clara	Santa Cruz	Shasta	Sierra	Siskiyou	Solano	Sonoma	Stanislaus	Sutter	Tehama	Trinity	Tulare	Tuolumne	Ventura	Yolo	Yuba
Total, All Diseases	404	74	331	364	598	184	125	5	54	72	281	320	73	38	17	291	19	321	67	72
Infective and Parasitic Diseases	7	3	4	-	4	1	-	-	-	3	5	5	1	3	1	3	-	1	2	2
Diseases of the Eye, Total	28	3	25	11	37	3	13	-	4	12	6	18	5	4	1	24	1	15	5	5
Conjunctivitis and ophthalmia due to welding flash	28	3	24	11	37	3	13	-	4	12	5	17	5	4	1	21	1	15	5	5
Other conjunctivitis and ophthalmia	-	-	1	-	-	-	-	-	-	-	1	1	-	-	-	3	-	-	1	-
Diseases of the Ear	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Diseases of the Central Nervous System and Peripheral Nerves	1	-	-	2	3	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-
Diseases of the Respiratory System	7	3	10	10	12	3	3	-	1	-	7	9	-	1	-	12	-	2	1	2
Diseases of the Skin, Total	228	50	205	296	408	139	73	1	25	43	195	160	44	18	7	108	15	240	32	38
Occupational dermatitis due to poison oak	42	43	121	228	232	63	41	-	12	14	159	10	15	13	6	31	12	171	10	26
Other diseases of the skin	186	7	84	68	176	76	32	1	13	29	36	150	29	5	1	77	3	69	22	12
Diseases of the Bones and Organs of Movement, Total	35	4	53	8	61	13	4	1	2	5	23	45	6	2	1	19	-	13	2	3
Synovitis, bursitis and tenosynovitis	33	4	46	8	56	11	3	-	1	4	20	39	6	2	1	18	-	13	2	3
Other diseases of the bones and organs of movement	2	-	7	-	5	2	1	1	1	1	3	6	-	-	-	1	-	-	-	-
Systemic Effects of Poisons	5	-	8	4	8	4	1	1	3	1	3	9	2	-	2	43	-	3	5	4
Poisoning by Venom ³	57	8	14	22	41	15	26	1	16	4	29	57	11	3	3	55	-	38	17	13
Effects of Weather, Exposure and Related Conditions	10	2	3	-	1	-	4	-	-	1	1	3	-	1	1	7	-	1	1	-
Burns ⁴	9	1	-	6	8	2	-	1	-	-	4	2	1	-	1	9	2	2	-	-
Neoplasms	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Allergic Disorders ⁵	9	-	3	3	6	2	-	-	2	3	3	5	2	-	-	8	1	3	-	2
Diseases of the Circulatory System	4	-	2	1	3	1	1	-	-	-	3	2	-	-	-	1	-	1	1	1
Diseases of the Digestive and Genito-Urinary Systems	-	-	-	-	2	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-
Other and Unspecified	4	-	1	1	3	1	-	-	1	-	1	3	-	1	-	1	-	2	-	2

¹ Diseases attributable to occupational exposure. Excludes diseases of employees not covered by the California Workmen's Compensation Act, such as self-employed, federal employees, maritime workers, railroad workers in interstate commerce and workers employed by farmers who elect not to be covered.

² Diseases by county of address given for employer.

³ These are mainly effects of insect bites or stings.

⁴ These consist only of burns arising from repeated exposures. Burns from heat, fires, or explosions are reported in the accident statistics of the Department of Industrial Relations.

⁵ This includes urticaria, asthma, angioneurotic edema, allergic rhinitis and conjunctivitis, and unspecified allergic disorders.

Source: State of California, Department of Industrial Relations, Doctor's First Report of Work Injury. Statistics compiled by State Department of Public Health, Bureau of Adult Health.

June 11, 1952

ABS-044310

LAM 026376

Table 9
REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY INDUSTRY GROUP
CALIFORNIA COUNTIES², 1951

INDUSTRY GROUP	Total	Alameda	Anaheim	Butte	Calaveras	Colusa	Contra Costa	Del Norte	El Dorado	Fresno	Glenn	Humboldt	Imperial	Inyo	Kern	Kings	Lake	Lassen	Los Angeles	Madera	Marin	Mariposa	Mendocino	Merced	Modoc	Monterey	Napa	Nevada
Total, All Industries	14,777	755	36	176	46	70	362	42	66	442	22	292	82	24	286	71	37	26	5,028	57	72	7	194	145	12	229	96	48
Agriculture, Forestry and Fishing	2,179	13	-	42	-	51	29	-	22	176	7	8	31	1	98	34	18	2	129	24	7	-	21	47	1	56	42	3
Mining and Quarrying	73	-	-	-	-	-	2	-	1	1	1	-	1	8	7	-	-	-	19	-	-	-	-	-	-	-	-	4
Construction	1,836	116	2	13	2	2	66	2	5	53	4	12	3	-	38	3	1	-	626	3	22	-	14	12	-	34	2	2
Manufacturing	5,606	378	14	51	24	9	145	28	12	123	5	181	18	5	59	19	3	21	2,478	14	3	-	95	57	8	49	26	13
Transportation, Communication and Utilities	702	57	-	8	1	4	14	5	5	14	-	16	2	-	6	4	2	1	178	-	8	-	15	2	-	18	5	4
Trade	861	36	2	7	-	2	17	2	-	14	-	12	4	1	19	4	1	1	320	4	7	-	1	3	2	13	7	2
Finance, Insurance, Real Estate	83	1	-	1	-	-	2	-	-	1	-	-	-	-	-	-	-	-	37	-	1	-	-	1	-	5	1	-
Service	1,037	65	-	6	2	-	25	-	1	16	-	10	4	5	18	4	4	-	368	2	10	6	10	6	-	13	4	3
Government	1,495	57	13	44	17	2	43	-	17	22	4	31	7	2	14	2	7	-	393	4	11	1	31	6	-	29	8	17
Not Stated	905	32	2	4	-	1	19	5	3	22	1	22	12	2	27	1	1	1	480	6	3	-	7	11	1	12	1	-

LAM 026377

ABS-044311

Table 9 (continued)
REPORTED CASES OF OCCUPATIONAL DISEASES¹ BY INDUSTRY GROUP
CALIFORNIA COUNTIES, 1951

INDUSTRY GROUP	Orange	Placer	Plumas	Riverside	Sacramento	San Benito	San Bernardino	San Diego	San Francisco	San Joaquin	San Luis Obispo	San Mateo	Santa Barbara	Santa Clara	Santa Cruz	Shasta	Sierra	Siskiyou	Solano	Sonoma	Stanislaus	Sutter	Tehama	Trinity	Tulare	Tuolumne	Ventura	Yolo	Yuba
Total, All Industries	280	58	29	198	264	41	339	368	747	404	74	331	364	598	184	125	5	54	72	281	320	73	38	17	291	19	321	67	72
Agriculture, Forestry and Fishing	58	31	2	54	37	16	61	73	6	93	13	7	144	79	49	3	-	1	29	99	70	43	8	1	144	2	137	35	22
Mining and Quarrying	-	-	-	1	-	1	3	1	2	-	-	-	6	-	-	2	1	-	-	1	-	1	-	1	-	-	3	-	6
Construction	25	2	1	21	59	-	43	47	107	41	23	96	99	98	12	10	-	1	10	15	8	2	-	-	30	3	37	-	9
Manufacturing	86	9	20	41	64	16	114	91	248	176	4	93	24	214	71	56	4	34	14	83	168	6	8	10	57	3	39	8	8
Transportation, Communication and Utilities	5	4	2	14	7	-	16	19	116	10	2	29	11	30	6	8	-	4	3	15	6	1	1	1	1	3	11	5	3
Trade	38	1	2	18	20	-	16	54	49	29	3	21	7	29	9	3	-	3	5	12	26	5	4	-	5	-	13	3	5
Finance, Insurance, Real Estate	-	-	-	1	1	-	-	1	10	2	-	4	6	2	-	-	-	1	1	-	-	-	-	-	-	-	2	-	2
Service	18	2	1	20	14	1	48	37	53	6	2	34	25	71	11	7	-	3	2	18	13	4	6	-	26	1	19	8	5
Government	33	8	1	21	53	7	28	51	101	35	27	35	36	59	18	34	-	7	7	31	20	8	8	4	15	6	42	5	10
Not Stated	17	1	-	7	9	-	10	14	55	12	-	12	6	16	8	2	-	-	1	7	9	3	3	-	13	1	18	3	2

¹ Diseases attributable to occupational exposure. Excludes diseases of employees not covered by the California Workmen's Compensation Act, such as self-employed, federal employees, maritime workers, railroad workers in interstate commerce and workers employed by farmers who elect not to be covered.

² Diseases by county of address given for employer.

Source: State of California, Department of Industrial Relations, Doctor's First Report of Work Injury. Statistics compiled by State Department of Public Health, Bureau of Adult Health.

June 11, 1952

LAM 026378

ABS-044312

Table 10
OCCUPATIONAL DISEASE FATALITIES¹
CALIFORNIA, 1951

D I S E A S E	Number of Fatalities
Total	155
Diseases of the Heart	85
Vascular Lesions Affecting Central Nervous System	
Cerebral hemorrhage	2
Diseases of the Lung, Total	57
Asbestosis	1
Diatomaceous earth pneumoconiosis	1
Pneumoconiosis, not specified	1
Silicosis	8
Silicotuberculosis	42 ^a
Tuberculosis	1
Pneumonia	3
Poisonings, Total	8
Carbon tetrachloride	5
Gasoline	1
Hydrogen sulfide	1
Lead	1
Heat Prostration	3

¹ With the exception of silicotuberculosis, these reports represent death benefits awarded or compromise and release settlements approved by the Industrial Accident Commission in 1951 for persons covered by the State Workmen's Compensation Act. The tabulation relates to the year in which the decision was made and not to the year of death.

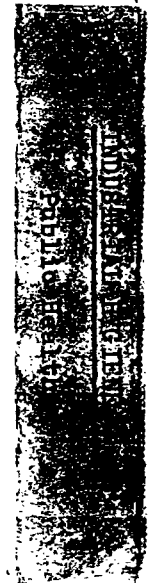
^a Data on deaths from silicotuberculosis obtained from the records of the State Department of Public Health.

Source: State of California, Department of Industrial Relations, Reports of Fatalities. Statistics compiled by State Department of Public Health, Bureau of Adult Health.

June 11, 1952

LAM 026379

ABS-044313



LAM 026329

ABS-044263