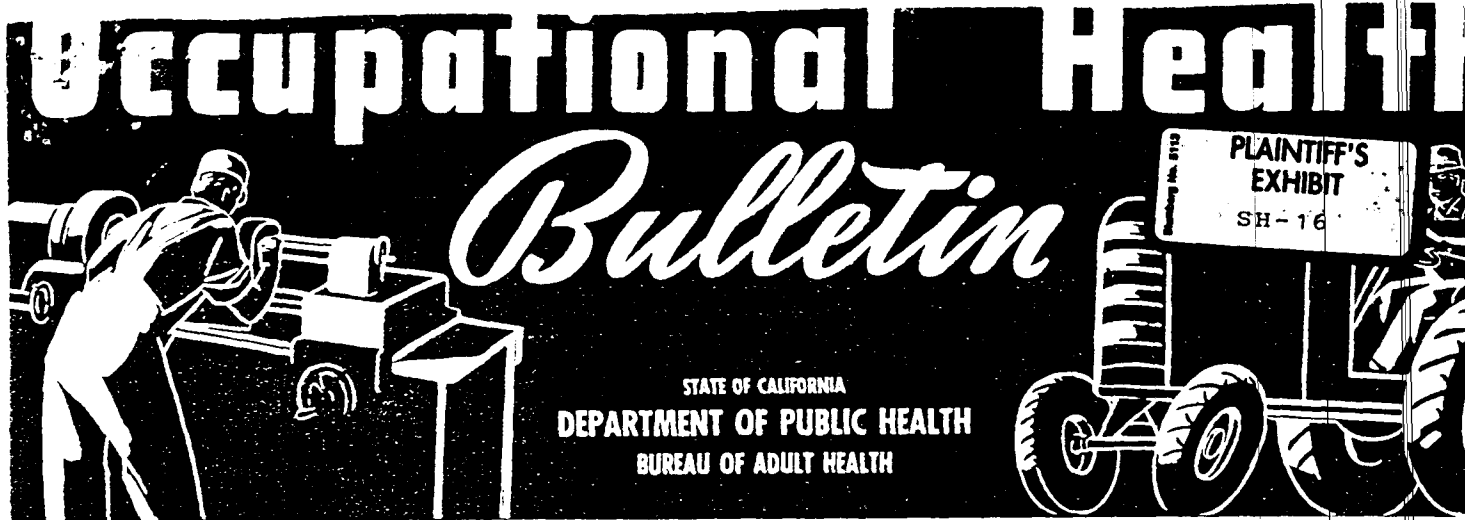




STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH
BUREAU OF ADULT HEALTH

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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

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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.
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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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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>468</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.

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	-	-	870	63
Occupational dermatitis due to poison oak	3,381	2,329	326	355	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	-

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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.

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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.

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.

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	1,762	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.

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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

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.

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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	-

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.

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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	29
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	-	-

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Table 7 (continued)
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
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.

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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	Ivy	Kern	Kings	Lethe	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	13	-	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	-	-	-

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

DISEASE GROUP	Los Angeles	Madara	Marin	Mariposa	Mendocino	Merced	Kodoc	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

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	1	2
Diseases of the Eye, Total	28	3	25	11	37	3	13	-	4	12	6	18	5	4	1	24	1	15	6	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	8	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.

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

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	Maricopa	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	15	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	-

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	388	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	32	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.

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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	<u>57</u>
Asbestosis	<u>1</u>
Diatomaceous earth pneumoconiosis	1
Pneumoconiosis, not specified	1
Silicosis	8
Silicotuberculosis	42 ^a
Tuberculosis	1
Pneumonia	3
Poisonings, Total	<u>8</u>
Carbon tetrachloride	<u>5</u>
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.

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