

PUBLIC HEALTH STATISTICS

STATE OF

OKLAHOMA

1944



PART I

COMMUNICABLE DISEASES

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COMMUNICABLE DISEASES

Oklahoma State Health Department
Oklahoma City, Oklahoma

G. F. MATHEWS, M. D., Commissioner

FOREWORD

This publication has been prepared for the information of the practicing physicians, public health authorities, associated service workers, and other persons responsible for and interested in the control of communicable diseases in Oklahoma. Accumulated data concerning the incidence of important reportable diseases is a prerequisite for effective control measures. Inaccurate and incomplete reporting may result in a deceptive picture. It is important, therefore, that every case be reported promptly to the proper authorities.

Early reporting to the local health authorities is essential so that investigations can be made to determine the source and to prevent the spread of the diseases. This, of course, is the primary purpose of the telephonic and weekly notifications, but the accumulated data also furnishes statistical material to be used in planning future control measures. Such data as color, sex and age of the infected individuals and the months in which the cases occur most frequently may seem unimportant, but they are essential to complete the study of the diseases; only through this information can the problem of control and elimination of communicable diseases be economically handled by concentrating efforts when, where, and among whom the needs are greatest.

Analysis indicates that reporting is far from complete, and in many instances only meagre information is given regarding the cases. The cooperation of all those responsible for the reporting of communicable diseases will aid materially in the control of their spread and ultimately in the better planning of combative procedures.

G. F. Mathews
G. F. Mathews, M. D.
Commissioner of Health

PUBLIC HEALTH STATISTICS OF OKLAHOMA
COMMUNICABLE DISEASES
1944

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Tables shown in this report have been prepared from tabulations of the cases of communicable diseases reported by practicing physicians and health departments. Each week every practicing physician, hospital, and institution is sent a double postal card on which to enter reports of cases of reportable diseases occurring in their practice during the week. These reports then go directly to the director of the county health department in counties having full-time health departments and to the county superintendent of health in counties without full-time health departments because these individuals are responsible for the control of infectious diseases in their respective counties. From there they are sent to the State Health Department where they are used in compiling weekly, monthly, and annual summaries on a statewide basis. It is from these summaries that telegraphic reports showing the incidence of certain communicable diseases are sent to the Surgeon General of the United States Public Health Service so that tables for the United States can be compiled; other more detailed reports are sent periodically.

The following diseases are reportable in the State of Oklahoma: Anthrax in man, chancre, cholera, conjunctivitis (acute infectious of the newborn), dengue, diphtheria, dysentery (amoebic and bacillary), infectious encephalitis, German measles, gonorrhea, granuloma inguinale, hookworm disease, influenza, lymphogranuloma venereum, malaria, measles, meningococcus meningitis, mumps, paratyphoid fever, plague (bubonic, septicemic, pneumonic), pneumonia, poliomyelitis, psittacosis, purpural infection, rabies in man, Rocky Mountain spotted fever, scarlet fever, septic sore throat, smallpox, syphilis, tetanus, trachoma, tuberculosis (pulmonary and other forms), tularemia, typhoid fever, typhus fever (epidemic and endemic), undulant fever, whooping cough, and yellow fever.

Although it is recognized that there is a marked under-reporting of communicable disease cases, the analysis of cases that are reported gives valuable information as to where and among whom communicable diseases occur. The extent of under-reporting varies by diseases and can not be measured accurately for any of them. It is routine practice, however, in the State Health Department to check death certificates giving a reportable disease as a cause of death with case reports to determine whether the case was reported before death. If such report was not made on the living case, then a case report is made from the death certificate.

TABLE 1. REPORTED CASES OF COMMUNICABLE DISEASES, NUMBER AND RATE,
OKLAHOMA, 1935-1944

Disease	1935		1936		1937		1938		1939	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Anthrax in man	2	1	539	28.0	732	31.1	2	1.109	1,005	42.9
Diphtheria	656	26.9	473	20.1	642	27.3	665	28.3	498	19.6
Dysentery	213	9.0	290	12.3	248	10.5	209	8.9	379	16.1
Neurosyphilis, infectious	1,915	81.1	1,852	79.4	1,845	78.5	1,845	78.5	1,845	78.5
Neurosyphilis, all forms	4,752	200.9	6,558	276.8	9,282	393.6	10,234	424.4	5,918	252.8
Measles	2,138	90.4	1,211	51.3	1,387	58.9	1,216	64.6	1,972	84.2
Scarlet fever	2,515	106.4	3,333	141.1	2,203	91.1	2,422	100.2	4,793	204.7
Septic sore throat	997	25.2	584	22.2	1,102	45.9	126	5.4	230	9.4
Whooping cough	212	9.0	201	8.5	172	7.3	299	12.0	191	8.2
Poliomyelitis, all forms	2,946	127.7	3,057	129.6	1,775	74.1	1,899	78.1	1,899	78.1
Poliomyelitis, acute	12	.5	127	5.1	-	-	36	1.5	65	2.8
Rabies in man	5	.2	5	.2	-	-	-	-	1	.0
Rocky Mountain spotted fever	977	41.3	1,160	49.2	1,684	70.7	1,406	61.1	1,246	53.2
Scarlet fever	403	17.0	386	16.1	474	20.1	595	25.6	683	28.6
Septic sore throat	51	2.2	49	2.1	116	4.9	605	25.8	873	37.4
Smallpox	2,022	85.5	2,401	101.8	5,571	235.1	5,096	217.1	8,634	368.0
Neurosyphilis, all forms	591	23.3	426	18.1	1,094	46.5	1,300	55.4	1,362	58.2
Tuberculosis	1	0.0	-	.2	10	.4	50	2.1	94	4.0
Typhoid, paratyphoid fevers	642	27.1	595	23.1	621	26.4	517	22.0	489	20.9
Undulant fever	10	.4	96	4.1	1	0.0	1	0.0	378	16.1
Whooping cough	637	36.2	295	10.8	595	25.1	1,172	49.1	214	9.1
Anthrax in man	785	33.9	734	32.9	-	-	841	40.6	821	40.4
Diphtheria	535	23.1	473	20.1	399	18.5	239	11.5	334	16.5
Dysentery	649	28.0	308	13.8	328	15.3	139	6.7	242	11.9
Neurosyphilis, infectious	12	.5	2,951	124.2	3,688	168.3	4,694	226.7	6,536	325.0
Neurosyphilis, all forms	11,088	478.8	14,327	601.2	3,701	171.5	6,841	350.4	11,778	580.2
Measles	1,674	80.9	2,028	90.4	1,516	70.4	1,421	68.5	1,408	69.4
Scarlet fever	1,444	61.4	2,469	108.7	6,331	294.1	2,376	114.7	4,316	212.6
Septic sore throat	473	17.8	1,083	46.5	1,190	59.2	621	31.4	460	22.7
Whooping cough	149	6.4	97	4.3	75	3.5	55	2.7	66	3.3
Poliomyelitis, all forms	3,104	134.0	2,703	121.0	1,989	93.8	2,346	115.6	2,346	115.6
Poliomyelitis, acute	199	6.9	2	.1	-	-	1	.0	54	.3
Rabies in man	1	0.0	-	-	-	-	-	-	-	-
Rocky Mountain spotted fever	10	.4	12	.5	22	1.0	16	.8	15	.7
Scarlet fever	926	40.0	859	38.1	772	35.9	1,020	49.7	1,093	49.4
Septic sore throat	596	25.7	716	32.0	342	10.7	222	10.7	143	6.9
Smallpox	198	8.5	43	1.9	8,014	341.1	19	.9	7	.3
Neurosyphilis, infectious	5,697	254.6	8,132	368.8	9,511	414.1	9,511	414.1	10,112	461.1
Neurosyphilis, all forms	1,661	71.8	1,538	68.8	1,461	64.1	33	1.6	10	.5
Tuberculosis	62	2.7	51	2.3	40	1.9	166	8.1	109	5.4
Typhoid, paratyphoid fevers	365	16.7	227	10.2	200	9.3	166	8.1	109	5.4
Undulant fever	3	.1	2	.1	3	.1	4	.2	50	2.5
Whooping cough	112	4.8	117	5.2	69	3.2	30	1.4	21	1.0
Whooping cough	766	33.1	1,206	54.0	475	22.1	885	42.7	486	24.0

Rates represent number per 100,000 estimated population.

Insofar as possible cases of reportable diseases are allocated to the place where the disease was contracted, which in most cases is the place of usual residence. Cases of disease known to have been contracted outside the state have been excluded.

Cases of communicable diseases occurring in personnel in the armed services, reported by the various military installations in the state, are included in the state totals but not in the totals for the individual counties in which they occurred.

Totals for the venereal diseases include cases reported by private physicians, hospitals and institutions, and admissions to the organized clinics. Some of the new admissions to the Pine Mountain Medical Center and selectees from counties not having organized clinics, who have been placed under treatment, are included in the state totals, but data was not available for reallocating all these cases to their resident counties. Likewise, clinic cases for Oklahoma and Tulsa Counties were not broken down to individuals within the cities and those in the rural areas; for this reason no figures are shown in the tabulations for Oklahoma City and Tulsa City for the venereal diseases. Rates by color for these diseases have been omitted also since the clinic cases were not tabulated by color.

Symbols Used in Tables

- Number or rate is zero
... Item not applicable
0.0 Rate is more than 0 but less than 0.05

TABLE II. REPORTED CASES OF COMMUNICABLE DISEASES, NUMBER AND RATE PER 100,000 ESTIMATED POPULATION, BY COLOR, OKLAHOMA, 1944

Disease	TOTAL				WHITE				NEGRO				TOTAL				WHITE				NEGRO													
Estimated Pop., July 1, 1914	2,093,942				1,225,886				146,148				54,826				2,093,942				1,225,886				146,148									
Diphtheria	623	Rate	40.4	197	Rate	22.8	15	Rate	10.3	50	Rate	9	Rate	16.4	319	Rate	8	Rate	1.8	623	Rate	40.4	197	Rate	22.8	15	Rate	10.3	50	Rate	9	Rate	16.4	
Scarlet fever	334	16.5	301	16.5	16	10.9	9	16.4	8	1.8	334	16.5	301	16.5	16	10.9	9	16.4	8	1.8	334	16.5	301	16.5	16	10.9	9	16.4	8	1.8	334	16.5	301	16.5
Whooping cough	19	4.8	14	4.8	3	2.1	1	1.8	1	1.8	19	4.8	14	4.8	3	2.1	1	1.8	1	1.8	19	4.8	14	4.8	3	2.1	1	1.8	1	1.8	19	4.8	14	4.8
Measles	178	8.9	110	6.0	14	9.6	15	27.4	39	9.1	178	8.9	110	6.0	14	9.6	15	27.4	39	9.1	178	8.9	110	6.0	14	9.6	15	27.4	39	9.1	178	8.9	110	6.0
Polioomyelitis, unspecified	25	1.2	34	1.5	6	4.1	5	9.1	-	-	25	1.2	34	1.5	6	4.1	5	9.1	-	-	25	1.2	34	1.5	6	4.1	5	9.1	-	-	25	1.2	34	1.5
Polioomyelitis, infectious	4	0.2	1	0.2	1	0.7	-	-	-	-	4	0.2	1	0.2	1	0.7	-	-	-	-	4	0.2	1	0.2	1	0.7	-	-	-	-	4	0.2	1	0.2
Scarlet fever	6,596	339.0	1,090	56.2	192	136.2	85	1.8	5,289	1.8	6,596	339.0	1,090	56.2	192	136.2	85	1.8	5,289	1.8	6,596	339.0	1,090	56.2	192	136.2	85	1.8	5,289	1.8	6,596	339.0	1,090	56.2
Whooping cough	11,778	590.2	3,082	168.5	199	136.2	7,953	1.8	11,778	1.8	11,778	590.2	3,082	168.5	199	136.2	7,953	1.8	11,778	1.8	11,778	590.2	3,082	168.5	199	136.2	7,953	1.8	11,778	1.8	11,778	590.2	3,082	168.5
Measles	11,778	590.2	3,082	168.5	199	136.2	7,953	1.8	11,778	1.8	11,778	590.2	3,082	168.5	199	136.2	7,953	1.8	11,778	1.8	11,778	590.2	3,082	168.5	199	136.2	7,953	1.8	11,778	1.8	11,778	590.2	3,082	168.5
Polioomyelitis, unspecified	4,136	212.4	2,071	111.9	59	41.4	355	84.1	4,081	84.1	4,136	212.4	2,071	111.9	59	41.4	355	84.1	4,081	84.1	4,136	212.4	2,071	111.9	59	41.4	355	84.1	4,081	84.1	4,136	212.4	2,071	111.9
Polioomyelitis, infectious	117	5.8	105	5.7	5	3.4	1	1.8	117	5.8	117	5.8	105	5.7	5	3.4	1	1.8	117	5.8	117	5.8	105	5.7	5	3.4	1	1.8	117	5.8	117	5.8	105	5.7
Scarlet fever	460	22.7	237	13.0	3	2.1	13	23.7	207	2.1	460	22.7	237	13.0	3	2.1	13	23.7	207	2.1	460	22.7	237	13.0	3	2.1	13	23.7	207	2.1	460	22.7	237	13.0
Whooping cough	9	0.4	2	0.4	2	1.4	2	3.7	7	1.5	9	0.4	2	0.4	2	1.4	2	3.7	7	1.5	9	0.4	2	0.4	2	1.4	2	3.7	7	1.5	9	0.4	2	0.4
Measles	591	29.1	287	22.5	68	46.5	11	20.1	591	29.1	591	29.1	287	22.5	68	46.5	11	20.1	591	29.1	591	29.1	287	22.5	68	46.5	11	20.1	591	29.1	591	29.1	287	22.5
Polioomyelitis, unspecified	513	25.3	327	17.9	72	50.1	17	30.1	513	25.3	513	25.3	327	17.9	72	50.1	17	30.1	513	25.3	513	25.3	327	17.9	72	50.1	17	30.1	513	25.3	513	25.3	327	17.9
Polioomyelitis, infectious	94	4.7	83	4.5	93	63.6	61	111.3	254	6	94	4.7	83	4.5	93	63.6	61	111.3	254	6	94	4.7	83	4.5	93	63.6	61	111.3	254	6	94	4.7	83	4.5
Scarlet fever	1,003	49.4	693	37.0	5	3.4	12	21.9	1,003	49.4	1,003	49.4	693	37.0	5	3.4	12	21.9	1,003	49.4	1,003	49.4	693	37.0	5	3.4	12	21.9	1,003	49.4	1,003	49.4	693	37.0
Whooping cough	27	1.3	205	11.2	30	20.5	32	5.5	27	1.3	27	1.3	205	11.2	30	20.5	32	5.5	27	1.3	27	1.3	205	11.2	30	20.5	32	5.5	27	1.3	27	1.3	205	11.2

TABLE III. REPORTED CASES OF COMMUNICABLE DISEASES
BY MONTHS, OKLAHOMA, 1944

Disease	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Dec.
Typhoid fever	41, 821	3, 585	2, 908	4, 619	3, 746	2, 727	2, 114	1, 609	2, 395	2, 304	2, 798
Dysentery	62, 511	113	113	193	119	78	10	1	5	16	25
Cholera	21	3	3	13	24	4	5	4	3	74	14
Scarlet fever	176	-	-	10	13	11	11	20	46	30	24
Dysentery, bacillary	45	1	1	7	10	4	8	10	11	4	3
Whooping cough	22	-	1	3	1	4	4	1	1	3	3
Measles	6, 502	-	-	2	1	-	-	-	-	-	-
Scarlet fever	474	492	492	510	528	563	672	681	717	591	464
Scarlet fever	38	31	31	31	31	31	31	31	31	31	31
Scarlet fever	11, 776	1, 691	564	733	135	115	158	1	62	115	191
Scarlet fever	1, 408	28	36	57	58	109	124	168	135	135	137
Scarlet fever	4, 316	315	357	1, 362	1, 252	532	105	27	20	37	19
Scarlet fever	117	16	19	23	23	7	7	-	-	4	4
Scarlet fever	469	15	27	62	117	58	11	5	3	3	26
Scarlet fever	9	1	1	2	1	1	1	1	1	1	1
Scarlet fever	66	8	10	5	8	27	22	9	1	31	32
Scarlet fever	591	127	79	71	76	27	32	9	37	31	32
Scarlet fever	1, 241	127	170	94	85	23	61	11	11	26	65
Scarlet fever	308	6	97	194	35	47	14	28	35	90	90
Scarlet fever	15	-	-	1	-	-	13	1	1	1	1
Scarlet fever	1, 003	-	-	-	-	-	2	2	2	2	2
Scarlet fever	121	177	57	192	95	24	9	6	6	68	106
Scarlet fever	142	13	57	21	56	17	1	1	1	11	10
Scarlet fever	7	1	708	627	631	739	682	572	516	638	644
Scarlet fever	8, 412	751	751	827	631	739	682	572	516	638	644
Scarlet fever	290	15	26	32	22	10	12	16	16	17	48
Scarlet fever	2, 794	191	182	207	222	215	259	192	294	313	359
Scarlet fever	73	6	5	4	3	6	9	7	8	6	6
Scarlet fever	109	2	3	7	6	16	17	26	9	1	1
Scarlet fever	109	3	3	7	6	16	17	26	9	1	1
Scarlet fever	50	1	7	12	5	4	7	7	7	1	2
Scarlet fever	27	7	7	2	5	1	3	5	3	5	5
Scarlet fever	426	33	24	37	65	57	45	35	20	28	35

TABLE IV. REPORTED CASES OF COMMUNICABLE DISEASES BY COUNTY, OKLAHOMA, 1944

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TABLE IV. REPORTED CASES OF COMMUNICABLE DISEASES BY COUNTY
OKLAHOMA, 1944 (continued)

[illegible]

TABLE IV. REPORTED CASES OF COMMUNICABLE DISEASES BY COUNTY
OKLAHOMA, 1944 (continued)

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Disease	Barber	Haskell	Byghes	Jackson	Jefferson	Johnston	Kay	Kingsfisher	Kloman	Latimer
Orchitis	5	1	-	1	3	1	37	3	8	-
Dysentery, amoebic	1	1	-	1	-	2	14	-	2	-
Dysentery, bacillary	-	-	-	-	-	-	1	-	-	-
Dysentery, unspecified	-	-	1	-	-	-	1	-	-	1
Meningitis, infectious	-	-	-	-	-	-	-	-	-	-
Erysipelas	2	2	16	5	-	1	36	6	3	3
Scarlet fever	1	1	2	2	-	1	20	15	27	-
Rocky Mountain spotted fever	18	13	2	5	14	13	240	39	12	1
Malaria	24	4	3	22	3	4	5	2	12	2
Meningitis, meningococcus	-	-	-	-	1	1	1	-	7	-
Meningitis, non-specific	-	-	-	-	-	-	8	-	-	-
Mumps	1	1	-	-	-	-	-	-	-	-
Ophthalmia neonatorum	-	-	-	-	-	-	-	-	-	-
Pellagra	-	-	-	-	-	-	-	-	-	-
Pneumonia, bronchial	1	1	7	7	2	1	7	2	2	1
Pneumonia, lobar	6	3	1	1	4	1	6	4	5	1
Pneumonia, unspecified	1	1	9	1	5	6	19	5	3	3
Polysyllitis, acute	-	-	-	-	-	-	-	-	-	-
Rabies in man	1	-	-	-	-	-	-	-	-	-
Rocky Mountain spotted fever	-	-	-	-	-	-	75	10	1	-
Scarlet fever	1	2	-	4	-	-	2	-	1	-
Septicæmia	-	-	-	-	-	-	-	-	-	-
Smallpox	14	4	72	12	14	22	109	1	21	4
Syphilis	-	-	-	-	-	-	-	-	-	-
Tetanus	-	-	-	-	-	-	-	-	-	-
Typhoid	1	1	5	16	12	22	63	6	20	10
Typhoid, respiratory	-	-	31	1	1	-	-	-	1	-
Typhoid, other forms	-	-	-	-	1	-	-	-	-	-
Typhoid, paratyphoid fevers	1	3	1	2	-	-	2	-	2	-
Typhus fever	-	1	-	-	-	-	4	1	-	-
Undulant fever	-	-	-	-	-	-	-	-	-	-
Viral diseases, other	-	-	-	-	-	-	1	-	-	-
Vitellina	-	-	-	-	-	-	-	-	-	-
Whooping cough	2	1	3	1	-	-	5	-	1	-

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[illegible]

TABLE IV. REPORTED CASES OF COMMUNICABLE DISEASES BY COUNTY, OKLAHOMA, 1944 (continued)

[illegible]

Disease	Texas	Pittman	Galus	McGowen	Keatington	Washita	Woods	Woodward	Millinery	Oklahoma City	Galus
Cholera	1	7	23	9	12	3	6	1	25	57	22
Dysentery, amoebic	-	-	8	8	10	-	-	-	22	56	5
Dysentery, bacillary	-	-	1	1	-	-	-	1	1	5	1
Dysentery, unspecified	-	-	-	-	-	-	-	-	1	36	-
Amoebiasis, infectious	-	-	2	-	-	-	-	-	1	3	-
Amoebiasis, non-infectious	1	10	872	34	8	17	3	8	269	3	-
Hookworm	-	-	21	-	-	-	-	-	2	-	-
Influenza	-	-	190	38	371	25	149	22	63	763	176
Measles	1	1	16	16	6	6	116	5	249	144	126
Meningitis, meningococcus	1	7	15	29	4	9	-	8	19	30	7
Meningitis, non-meningococcus	1	1	4	1	4	2	1	1	2	1	1
Plague	-	-	20	1	3	1	1	1	216	36	17
Optic atrophy	-	-	-	-	-	-	-	-	-	-	-
Optic atrophy, neonatorum	-	-	35	1	7	-	-	-	1	2	2
Optic atrophy, hereditary	2	2	32	3	6	1	2	1	57	59	26
Pneumonia, lobar	3	4	35	15	6	5	5	3	72	19	19
Pneumonia, unspecified	-	-	4	-	-	5	5	2	139	81	29
Poliomyelitis, acute	-	-	-	-	-	-	-	1	7	4	-
Scarlet fever	4	6	44	3	19	5	31	1	35	1	1
Scarlet fever, spotted	4	6	44	3	2	5	9	1	35	61	29
Septic sore throat	-	-	1	2	2	-	-	-	3	15	-
Syphilis	12	44	1,353	54	98	23	12	14	26	1	1
Tetanus	-	-	7	-	-	-	-	-	-	-	-
Tuberculosis, pulmonary	1	5	245	22	15	6	4	15	17	377	211
Tuberculosis, other forms	2	8	-	-	-	-	1	-	-	4	-
Glanders	1	1	2	-	1	1	2	-	-	12	2
Cyphoid, paratyphoid fevers	-	-	2	-	-	-	-	-	-	-	-
Dysuria	-	-	-	-	-	-	-	-	-	-	-
Erysipelas	-	-	-	-	-	-	-	-	-	-	-
Generalized disease, other	-	-	11	-	-	-	-	-	3	-	-
Whooping cough	-	2	13	7	11	1	12	-	8	2	7