

PUBLIC HEALTH STATISTICS

STATE OF

OKLAHOMA

1944



PART I

COMMUNICABLE DISEASES

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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

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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, chancreoid, chickenpox, cholera, conjunctivitis (acute infectious of the newborn), dengue, diphtheria, dysentery (amoebic and bacillary), infectious encephalitis, German measles, gonorrhoea, granuloma inguinale, hookworm disease, influenza, lymphogranuloma venereum, malaria, measles, meningococcus meningitis, mumps, paratyphoid fever, pellagra, plague (bubonic, septicemic, pneumonic), pneumonia, poliomyelitis, psittacosis, puerperal infection, rabies in man, Rocky Mountain spotted fever, scarlet fever, septic sore throat, smallpox, syphilis, tetanus, trachoma, tuberculosis (pulmonary and other forms), typharthritis, 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 lying case, then a case report is made from the death certificate.

TABLE 1. REPORTED CASES OF COMMUNICABLE DISEASES, NUMBER AND RATE, OKLAHOMA, 1932-1946

Disease	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946
Anthrax in man	2	1	1	1	1	1	1	1	1	1	1	1
Diphtheria	656	26.9	539	22.0	732	31.1	1,109	47.3	1,005	42.9	1,005	42.9
Dysentery	636	26.9	473	20.1	642	27.3	665	28.3	482	19.6	482	19.6
Enteric fever	213	9.0	290	12.3	402	16.5	209	8.9	319	16.1	319	16.1
Enteric fever, all forms	1,912	81.1	1,482	61.1	1,111	45.5	1,021	41.5	1,078	43.5	1,078	43.5
Enteric fever, all forms except typhoid	4,752	200.9	6,558	276.8	9,282	393.6	4,754	180.1	5,918	252.8	5,918	252.8
Enteric fever, typhoid	2,138	90.4	1,211	51.3	1,387	58.9	1,216	48.6	1,972	84.2	1,972	84.2
Enteric fever, paratyphoid	2,515	106.4	1,335	54.1	1,203	51.1	1,282	51.2	1,793	71.7	1,793	71.7
Enteric fever, paratyphoid, all forms	997	25.2	584	22.2	112	4.6	126	5.1	230	9.4	230	9.4
Enteric fever, typhoid, paratyphoid	212	9.0	201	8.5	172	7.3	229	9.3	259	10.4	259	10.4
Enteric fever, paratyphoid, all forms	2,946	127.7	3,057	129.6	2,469	101.9	2,178	87.1	2,829	113.1	2,829	113.1
Enteric fever, paratyphoid, all forms except typhoid	12	.5	5	0.2	-	-	36	1.5	1	0.0	1	0.0
Enteric fever, typhoid	10	.4	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
Enteric fever, paratyphoid	642	27.1	545	23.1	621	26.4	517	22.0	489	20.9	489	20.9
Enteric fever, paratyphoid, all forms	10	.4	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
Enteric fever, typhoid, paratyphoid	642	27.1	545	23.1	621	26.4	517	22.0	489	20.9	489	20.9
Enteric fever, typhoid, paratyphoid, all forms	642	27.1	545	23.1	621	26.4	517	22.0	489	20.9	489	20.9
Enteric fever, typhoid, paratyphoid, all forms except typhoid	10	.4	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
Enteric fever, typhoid, paratyphoid, all forms except typhoid, paratyphoid	642	27.1	545	23.1	621	26.4	517	22.0	489	20.9	489	20.9
Enteric fever, typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms	642	27.1	545	23.1	621	26.4	517	22.0	489	20.9	489	20.9
Enteric fever, typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms	642	27.1	545	23.1	621	26.4	517	22.0	489	20.9	489	20.9

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.

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

Symbols Used in Tables

Disease	1940	1941	1942	1943	1944	1945	1946	
Anthrax in man	785	33.9	174	7.2	1,029	41.8	821	40.4
Diphtheria	532	23.1	473	22.2	399	18.5	239	11.5
Dysentery	649	28.0	308	13.4	328	15.3	139	6.7
Enteric fever	2,808	121.1	1,951	81.2	3,628	168.3	4,694	226.7
Enteric fever, all forms	11,708	478.8	14,327	611.2	3,701	171.5	6,841	350.4
Enteric fever, all forms except typhoid	1,474	60.9	2,028	90.4	1,515	70.4	1,421	68.5
Enteric fever, typhoid	1,474	60.9	2,028	90.4	1,515	70.4	1,421	68.5
Enteric fever, typhoid, paratyphoid	43	1.8	35	1.5	39	1.8	21	1.0
Enteric fever, typhoid, paratyphoid, all forms	43	1.8	35	1.5	39	1.8	21	1.0
Enteric fever, typhoid, paratyphoid, all forms except typhoid	149	6.4	97	4.3	75	3.5	55	2.7
Enteric fever, typhoid, paratyphoid, all forms except typhoid, paratyphoid	3,104	134.0	2,703	121.0	1,989	91.8	4,694	226.7
Enteric fever, typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms	159	6.9	58	2.6	28	1.3	1	0.0
Enteric fever, typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms	10	.4	12	.5	22	1.0	16	.8
Enteric fever, typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms	926	40.0	859	38.1	772	35.9	1,020	49.7
Enteric fever, typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms	966	25.7	716	32.0	342	10.7	222	10.7
Enteric fever, typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms	196	8.5	43	1.9	80	3.9	19	.9
Enteric fever, typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms	5,497	254.6	4,132	168.8	8,914	434.1	9,591	489.3
Enteric fever, typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms	1,661	71.8	1,538	68.4	1,461	67.9	1,751	84.6
Enteric fever, typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms	62	2.7	51	2.3	40	1.6	33	1.6
Enteric fever, typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms	366	16.7	227	10.2	200	9.3	166	8.1
Enteric fever, typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms	112	4.8	2	.1	3	0.1	4	0.2
Enteric fever, typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms except typhoid, paratyphoid, all forms	766	33.1	1,206	54.0	475	22.1	885	42.7

Rates represent number per 100,000 estimated population.

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

Disease	Osage	Delaware	DeWey	Eliza	Garfield	Gary	Grady	Grant	Greer	Heron
Cholera	5	15	3	16	8	1	2	2	1	7
Diphtheria	-	-	-	-	8	3	1	-	-	-
Dysentery, amoebic	1	-	-	-	27	2	1	-	-	-
Dysentery, bacillary	-	-	-	-	-	2	1	-	-	-
Dysentery, unspecified	-	-	-	-	-	2	1	-	-	-
Enterocolitis, infectious	-	-	-	-	-	-	-	-	-	-
Enterocolitis, infectious	40	1	-	-	-	-	-	-	-	-
Enterocolitis, infectious	40	1	-	-	9	68	-	-	2	-
Enterocolitis, infectious	94	596	45	5	403	10	67	2	-	556
Enterocolitis, infectious	94	596	45	5	403	10	67	2	-	556
Enterocolitis, infectious	94	596	45	5	403	10	67	2	-	556
Enterocolitis, infectious	94	596	45	5	403	10	67	2	-	556
Enterocolitis, infectious	94	596	45	5	403	10	67	2	-	556
Enterocolitis, infectious	94	596	45	5	403	10	67	2	-	556
Enterocolitis, infectious	94	596	45	5	403	10	67	2	-	556
Enterocolitis, infectious	94	596	45	5	403	10	67	2	-	556
Enterocolitis, infectious	94	596	45	5	403	10	67	2	-	556

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

Disease	Harvey	Haskell	Hughes	Jackson	Jefferson	Johnston	King	Kingfisher	Kiowa	Latimer
Cholera	5	1	-	4	3	1	3	2	2	-
Diphtheria	-	1	-	-	-	14	-	-	-	-
Dysentery, amoebic	-	-	-	-	-	1	-	-	-	-
Dysentery, bacillary	-	-	-	-	-	1	-	-	-	-
Dysentery, unspecified	-	-	-	-	-	1	-	-	-	-
Enterocolitis, infectious	-	-	-	-	-	36	6	3	3	3
Enterocolitis, infectious	-	-	-	-	-	120	15	27	1	1
Enterocolitis, infectious	18	13	2	5	14	13	15	27	3	3
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2

Disease	Harvey	Haskell	Hughes	Jackson	Jefferson	Johnston	King	Kingfisher	Kiowa	Latimer
Cholera	5	1	-	4	3	1	3	2	2	-
Diphtheria	-	1	-	-	-	14	-	-	-	-
Dysentery, amoebic	-	-	-	-	-	1	-	-	-	-
Dysentery, bacillary	-	-	-	-	-	1	-	-	-	-
Dysentery, unspecified	-	-	-	-	-	1	-	-	-	-
Enterocolitis, infectious	-	-	-	-	-	36	6	3	3	3
Enterocolitis, infectious	-	-	-	-	-	120	15	27	1	1
Enterocolitis, infectious	18	13	2	5	14	13	15	27	3	3
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2

Disease	Harvey	Haskell	Hughes	Jackson	Jefferson	Johnston	King	Kingfisher	Kiowa	Latimer
Cholera	5	1	-	4	3	1	3	2	2	-
Diphtheria	-	1	-	-	-	14	-	-	-	-
Dysentery, amoebic	-	-	-	-	-	1	-	-	-	-
Dysentery, bacillary	-	-	-	-	-	1	-	-	-	-
Dysentery, unspecified	-	-	-	-	-	1	-	-	-	-
Enterocolitis, infectious	-	-	-	-	-	36	6	3	3	3
Enterocolitis, infectious	-	-	-	-	-	120	15	27	1	1
Enterocolitis, infectious	18	13	2	5	14	13	15	27	3	3
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2
Enterocolitis, infectious	21	1	1	22	1	2	12	2	1	2

TABLE IV. REPORTED CASES OF COMMUNICABLE DISEASES BY COUNTY,
OILALIMA, 1948 (continued)

Disease	Byno	Plantain	Pontoon	Potters- Kongle	Patus- Taka	Roger Hills	Rogera	Semilole	Senuyan	Stephens
Diphtheria	80	5	66	29	-	-	1	12	2	4
Dysentery, amoebic	5	4	-	4	-	-	1	11	1	4
Dysentery, bacillary	-	2	-	-	-	-	1	2	1	2
Dysentery, unspecified	-	1	-	-	-	-	1	1	1	2
Erythrasma	65	194	-	-	-	-	6	88	28	10
Gonorrhoea	2	1	-	-	-	-	1	10	3	24
Impetigo	199	1194	571	171	2	-	1	10	3	24
Keratitis	90	112	177	46	1	-	1	4	1	5
Keratitis, non-epidemic	-	1	3	2	-	-	-	-	-	1
Measles	46	-	1	17	-	-	-	-	-	1
Measles, non-epidemic	-	-	-	-	-	-	-	-	-	-
Mumps	-	-	-	-	-	-	-	-	-	-
Ophthalmia neonatorum	-	-	-	-	-	-	-	-	-	-
Pneumonia, bronchial	7	6	11	7	6	-	4	14	8	5
Pneumonia, lobar	16	16	14	14	5	-	2	6	4	5
Pneumonia, unspecified	21	81	19	66	13	-	3	11	4	18
Poliovirus, acute	-	-	-	-	-	-	-	1	1	1
Scarlet fever	21	1	9	24	-	-	-	10	7	2
Scarlet fever, epidemic	2	-	-	-	-	-	-	-	-	-
Septic sore throat	-	-	-	-	-	-	-	-	-	-
Smallpox	107	187	146	11	4	1	1	239	61	50
Smallpox, epidemic	-	-	-	-	-	-	-	-	-	-
Tuberculosis	-	-	-	-	-	-	-	-	-	-
Tuberculosis, respiratory	24	106	63	42	5	1	12	22	57	24
Tuberculosis, other forms	-	-	-	-	-	-	-	-	-	-
Unlabeled fevers	-	-	-	-	-	-	-	-	-	-
Undulant fever	-	-	-	-	-	-	-	-	-	-
Various diseases, other	-	-	-	-	-	-	-	-	-	-
Viral hemorrhagic fever	-	-	-	-	-	-	-	-	-	-
Whooping cough	13	-	-	-	-	-	-	-	-	-

Disease	Pona	Pitman	Pula	Wagawa	Wahig- ton	Wahita	Woda	Woodward	Wiliyari	Orakawa dlw	Pala dlw	Palu dlw
Diphtheria	1	7	33	9	12	3	6	1	25	57	22	22
Dysentery, amoebic	1	1	1	1	10	2	-	1	1	2	1	1
Dysentery, bacillary	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery, unspecified	-	-	2	-	-	-	-	-	1	1	-	1
Erythrasma	-	-	-	-	-	-	-	-	-	-	-	-
Gonorrhoea	1	10	672	34	8	17	3	2	260	-	-	-
Impetigo	-	-	-	-	-	-	-	-	-	-	-	-
Indianna	-	21	190	18	371	25	149	22	83	763	176	6
Keratitis	1	7	156	20	68	9	116	8	249	488	120	6
Keratitis, non-epidemic	-	-	-	-	-	-	-	-	10	1	1	1
Mumps	-	-	20	1	3	1	1	1	216	36	17	-
Ophthalmia neonatorum	-	-	-	-	-	-	-	-	-	-	-	-
Poliovirus	7	-	-	1	2	-	-	-	-	-	-	-
Poliovirus, haemolytic	-	-	12	4	6	4	4	2	92	4	2	2
Pneumonia, lobar	2	2	22	3	7	1	4	1	57	92	20	-
Pneumonia, unspecified	3	4	35	15	6	5	5	1	72	72	19	-
Poliovirus, acute	-	-	-	-	-	-	-	-	139	81	29	4
Scarlet fever	-	-	1	1	-	1	-	-	7	1	1	1
Scarlet fever, epidemic	1	6	44	3	19	5	31	1	315	61	23	1
Septic sore throat	-	-	1	2	2	-	9	-	3	15	-	-
Smallpox	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox, epidemic	12	44	1,323	54	96	23	12	14	26	1	-	-
Tuberculosis	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis, respiratory	1	8	245	22	16	6	4	15	17	317	214	1
Tuberculosis, other forms	2	1	8	1	1	1	1	2	-	7	4	-
Typhoid	1	1	2	-	-	-	-	-	-	-	-	-
Typhoid, paratyphoid fevers	-	-	-	-	-	-	-	-	-	-	-	-
Undulant fever	-	-	-	-	-	-	-	-	-	-	-	-
Various diseases, other	-	-	-	-	-	-	-	-	-	-	-	-
Whooping cough	-	2	-	-	-	-	-	-	6	7	7	-