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Causes of Absenteeism in New Haven Schools —Follow-up After 21 Years—

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A reevaluation of the causes of absenteeism in New Haven schools during the 1948-49 school year revealed 66.3 absences per 100 pupils per school year as compared with 48.6 in 1927-28, an increase of 17.7 absences per 100 school children under observation. This increase was disclosed in a continuing study of absenteeism of three or more consecutive school days in the New Haven public and parochial school population. The 1948-49 study is a follow-up of an investigation by Wilson and his co-workers for 1927-28 (1).

The classification of causes of absence and the methods of tabulation utilized in 1927-28 were employed in the present study. The causes of absenteeism recorded in the earlier investigation represented the considered opinion of the school nurse or physician; their conclusions were based upon home visits by school nurses, physicians or health department epidemiologists, as well as information from family physicians, parents, or, frequently, the children themselves. Information given by the school child stems, on the whole, from the parent or family physician. During 1948-49, the bulk of data was obtained directly from physicians or parents. A factor affecting the number of cases in both studies was some variation in enforcement of the ruling that children absent three or more school days must be seen by the school nurse or doctor. Probably a minimum of 95 percent of all absences were recorded in both 1927-28 and 1948-49.

Further differences were noted. First, no cases of German measles were tabulated in the earlier investigation. Information in this office revealed that the school year 1927-28 was a period of low

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morbidity, and the cases that occurred in school children were placed in the miscellaneous sickness category. Second, the few school children absent in 1927-28 because of two consecutive diseases were catalogued by each cause, and the number of days absent were allocated proportionally (2). Third, public school children constituted the only population observed in the earlier study, while parochial school children were included in the present investigation. Lastly, a difference in criterion of total days absent was utilized in 1948-49. In both studies, readmission to school after absence of three or more consecutive school days required an admission slip signed by the school physician or nurse. Pertinent information was obtained at that time. In 1927-28, however, the duration of absence was computed by subtracting the date of the first day of absence from the date of the pupil's return to school. Saturdays, Sundays, and short legal holidays¹ were therefore included in the duration when the pupil was absent on the day preceding the week end or holiday. In 1948-49, on the other hand, absences on nonschool days were omitted.

All the differences except the last described are not significant; the last discrepancy necessitates statistical compensation. The utilization of school days only in 1948-49 was required by other concomitant investigations. The discrepancy can be overcome if 1 day is added to each 2.5 days of absence in 1948-49; or 1 day is subtracted from each 3.5 days in 1927-28. Thus, 2 days are added to each 5 days' absence in 1948-49, which closely approximates the calendar week utilized in 1927-28. Six additional days of absence because of short holidays in 1927-28 are not considered because they do not materially affect the calculations. This correction assumes that the frequency of absences beginning on each day of the week was the same as the average. Actually, both studies found that some parents

Table 1. Number of cases of absenteeism and cases of absenteeism per 100 pupils, by age, New Haven, 1948-49

Age (years)	School population	Pupil days per school year	Cases of absenteeism	Cases per 100 pupils
5 and under.....	3 214	587, 520	2, 693	83.8
6.....	2, 422	435, 960	2, 959	122.2
7.....	2, 068	375, 840	1, 936	92.7
8.....	1, 878	338, 040	1, 804	80.1
9.....	1, 859	334, 620	1, 193	64.2
10.....	1, 955	351, 900	1, 113	56.9
11.....	1, 848	332, 640	878	47.5
12.....	1, 822	327, 960	782	42.9
13.....	1, 899	341, 820	682	35.9
14.....	1, 736	312, 480	770	44.4
15.....	1, 494	268, 920	861	57.6
16.....	1, 321	237, 780	780	59.0
17.....	1, 181	212, 580	598	50.6
18.....	687	123, 660	205	29.8
19 and over.....	202	36, 360	24	11.9
Total.....	25, 606	4, 609, 080	16, 978	66.3

¹ Excluding Christmas and Easter vacation.

tended to keep children out of school over the week end even though the children were well enough to return to school on Friday.

Data collected for the 1948-49 study show there were 16,978 absences of 3 or more consecutive school days, or a rate of 66.3 absences per 100 school children during the school year (table 1). These figures compare with 16,382 absenteeism cases, or a rate of 48.6 absences per 100 school children during the school year in 1927-28. In 1948-49, there were 25,606 school children, 180 school days, and 4,609,080 pupil days; in 1927-28, there were 33,700 public school children, 186 school days, and 6,268,200 pupil days. High school children are included in both studies.

The causes of absence are listed in tables 2, 3, and 6. The first three divisions constitute the respiratory infections and warrant further clarification:

1. Colds include grippe, influenza, and virus infection of less than 7 days' duration.

2. Diseases of throat and tonsils include "sorethroat," laryngitis, croup, and tonsil and adenoid operations.

3. Other respiratory diseases include tracheitis, bronchitis, sinusitis, tuberculosis, and pneumonia, and also grippe, influenza, and other virus infections of more than 6 days' duration.

The other divisions are self-explanatory except that scarlet fever includes beta-hemolytic streptococcal nose and throat infections.

Table 2. *Number of cases and days of sickness, by cause of sickness, New Haven, 1927-28 and 1948-49*

Cause of sickness	Number of cases		Number of days of sickness	
	1927	1948	1927	1948
Colds.....	5,783	7,347	51,636	36,713
Diseases of throat and tonsils.....	1,966	2,168	17,618	12,781
Other respiratory diseases.....	566	997	13,415	8,911
Diphtheria.....	114	0	2,492	0
Chickenpox.....	340	733	5,905	6,663
Measles.....	1,570	1,823	32,683	20,173
German measles.....	(1)	171	(1)	1,033
Mumps.....	1,723	520	25,551	4,527
Whooping cough.....	519	23	25,589	519
Scarlet fever.....	43	222	1,363	2,576
Two communicable diseases, consecutive.....	(2)	73	(2)	1,358
Diseases and disorders of the eye.....	159	185	1,343	989
Earache and ear disease.....	276	404	3,943	2,696
Toothache and disease of teeth.....	204	167	1,644	884
Digestive disease and disorder.....	446	462	5,697	2,670
Skin disease.....	248	411	3,436	2,824
Accidents, injuries and abrasions.....	306	196	5,271	1,451
Miscellaneous other sickness.....	1,135	856	14,490	6,214
All sickness.....	15,468	16,763	212,076	112,982
All respiratory sickness.....	8,305	10,512	82,669	58,405
All specific communicable diseases of childhood.....	4,309	3,570	93,683	36,849
All other causes of sickness.....	2,854	2,681	35,824	17,728
Nonsickness.....	914	215	12,501	1,552
All absences.....	16,382	16,978	224,577	114,534

¹ Included in miscellaneous other sickness in 1927-28.

² Allocated separately to each cause in 1927-28.

Table 3. Absences due to various causes of illness and to causes other than illness among school children of New Haven

Causes of absence	Absences during year per 100,000 pupil days		Per-centage change in absence rates, 1927 to 1948	Days lost from school during year per 100,000 pupil days ¹		Per-centage change in rate for days lost, 1927 to 1948	Days lost from school per case ¹		Per-centage change in days per case, 1927 to 1948
	1927	1948		1927	1948		1927	1948	
Colds.....	92.26	159.40	+72.8	823.8	1,115.1	+35.4	8.9	7.0	-21.3
Diseases of throat and tonsils.....	31.21	47.04	+50.7	281.1	388.2	+38.1	9.0	8.3	-7.8
Other respiratory diseases.....	9.03	21.63	+139.5	214.0	270.6	+26.4	23.7	12.5	-47.3
Diphtheria.....	1.82			39.8			21.9		
Chickenpox.....	5.42	15.90	+193.4	94.2	202.4	+114.9	17.4	12.7	-27.0
Measles.....	25.05	39.55	+57.9	521.4	612.8	+17.5	20.8	15.5	-25.5
German measles.....	(?)	3.71		(?)	31.4		(?)	8.4	
Mumps.....	27.49	11.28	-59.0	407.6	137.5	-66.3	14.8	12.2	-17.6
Whooping cough.....	8.28	.50	-94.0	408.2	15.8	-96.1	49.3	31.6	-35.9
Scarlet fever.....	.69	4.82	+598.6	21.7	78.3	+260.8	31.7	16.2	-48.9
Two communicable diseases, consecutive.....	(?)	1.69		(?)	41.3		(?)	24.4	
Diseases and disorders of the eye.....	2.54	4.01	+57.9	21.4	30.1	+40.7	8.4	7.4	-11.9
Earache and ear disease.....	4.40	8.77	+99.3	62.9	81.9	+30.2	14.3	9.4	-34.3
Toothache and disease of teeth.....	3.25	3.62	+11.4	26.2	26.8	+2.3	8.1	7.4	-8.6
Digestive diseases and disorders.....	7.12	10.02	+40.7	90.9	81.1	-10.8	12.8	8.1	-36.7
Skin diseases.....	3.96	8.92	+125.3	54.8	85.8	+56.6	13.9	9.7	-30.2
Accidents, injuries, and abrasions.....	6.16	4.25	-31.0	84.1	44.1	-47.6	13.7	10.4	-24.1
Miscellaneous other sickness.....	18.11	18.57	+2.5	231.2	188.7	-18.4	12.8	10.2	-20.3
All sickness.....	246.77	363.70	+47.4	3,383.4	3,431.8	+1.4	13.7	9.4	-31.4
All respiratory sickness.....	132.49	228.07	+72.1	1,318.9	1,774.1	+34.5	10.0	7.8	-22.0
All specific communicable diseases.....	68.74	77.46	+12.7	1,493.0	1,119.3	-25.0	21.7	14.4	-33.6
All other causes of sickness.....	45.53	58.17	+27.8	571.5	538.4	-5.8	12.6	9.2	-27.0
Nonsickness.....	14.58	4.66	-68.0	199.4	47.2	-76.3	13.7	10.1	-26.3
All absences.....	261.35	368.36	+40.9	3,582.8	3,479.0	-2.9	13.7	9.4	-31.4

¹ Days in 1948 study corrected to a 7-day week basis to agree with 1927 study.

² Included in miscellaneous other sickness in 1927-28.

³ Allocated separately to each cause in 1927-28.

Table 2 presents the raw data, numbers of cases, and total days of absence by cause of absenteeism.

Table 3 shows for both study periods the absences and days lost by cause of absenteeism per 100,000 pupil days based on the total child population during the entire period of risk, as well as the days lost from school per case. Two significant changes occurred—illness increased from 246.6 in 1927-28 to 363.7 cases per 100,000 pupil days in 1948-49, and the incidence of respiratory diseases increased from 132.3 to 228.1. Since rates for the childhood communicable diseases are dependent upon epidemicity, comparisons of case rates for 1 year with another are not valid. Significant increases in both absences and days lost per 100,000 pupil days occurred in most disease categories, but the respiratory disease group showed the greatest increase. Remembering the difference in criteria of absence in 1927-28 and in 1948-49, the days lost from school per case may be compared if the adjustment mentioned is utilized. A significant decrease in days lost from school per case for every category becomes evident. These results are comparable to the findings of Ciocco, Cameron and Bell (3) in their evaluation of the 1921-25, 1935-36, and 1939-40 studies on absenteeism in Hagerstown, Md., schools. The case rates per

1,000 children per school year for all causes of absence increased for each succeeding study period; and the average number of days absent per case of sickness decreased.

Table 4 presents the average duration per case by age groups for all sickness and for all sickness categories minus the childhood communicable diseases. This tabulation shows the longer duration of illness in the younger age groups in both study periods, as well as the greatest decrease in average duration in age groups 5 through 9. This trend was also noted in the Hagerstown evaluation (3).

Table 5 presents the important and not wholly unexpected finding that the case rates of sickness by age per 100,000 pupil days for 1948-49 show a progressive increase over the 1927-28 observations. The rates for 1948-49 are approximately double those for 1927-28 at ages 10 and older. The major factors for this change may be the shift of previously predominant preschool communicable diseases to the school age group (4, 5), the decreasing size of the American family (6, 7), the low birth rate in the 1930's (7), natural and induced changes in the host-parasite relationship (5, 8, 9, 10, 11), use of new preventives

Table 4. Average duration per case by age groups, New Haven, 1927-28 and 1948-49

Age (years)	All sickness		All sickness except S. C. C. D. ¹	
	1927	1948 ²	1927	1948 ²
5 and under.....	19.2	11.6	13.9	9.9
6.....	16.0	11.1	11.7	9.1
7.....	14.7	10.2	10.9	8.7
8.....	12.9	8.7	10.2	8.0
9.....	12.0	9.0	10.1	7.8
10.....	10.9	8.7	9.5	7.7
11.....	10.2	8.3	9.3	7.6
12.....	10.2	8.0	9.3	7.6
13.....	10.1	8.0	9.6	7.6
14.....	9.9	7.7	9.5	7.3
15.....	9.7	7.4	9.3	7.3
16.....	8.8	6.3	8.5	6.2
17.....	8.5	7.0	8.0	6.9
18.....	8.3	7.0	8.3	7.0

¹ Specific childhood communicable diseases.

² Days in 1948 study corrected to a 7-day week basis to agree with 1927 study.

Table 5. Case rates of sickness due to all causes, by age, New Haven, 1927-28 and 1948-49

Age (years)	Cases per 100,000 pupil days		Age (years)	Cases per 100,000 pupil days	
	1927	1948		1927	1948
5 and under.....	619.5	460.8	14.....	129.4	243.2
6.....	543.9	673.5	15.....	137.2	310.9
7.....	424.8	513.5	16.....	103.7	310.8
8.....	287.7	440.2	17.....	85.0	284.4
9.....	225.1	353.5	18.....	61.9	160.9
10.....	177.5	315.2	19.....	50.7	63.3
11.....	160.3	263.3	20 and over.....	159.3	
12.....	140.4	237.5			
13.....	130.6	198.1	All ages.....	246.6	363.7

and therapeutics (12), relaxation of quarantine restrictions (13, 14), and expanded and better school health programs (15). This important shift in age-specific rates emphasizes the necessity of periodic reevaluation of school health and communicable disease control programs.

Table 6. *Average duration per case of sickness by sex and diagnosis, New Haven, 1927-28 and 1948-49*

Cause of sickness	Average days of sickness			
	Boys		Girls	
	1927	1948 ¹	1927	1948 ¹
Colds.....	8.9	7.0	9.0	7.0
Diseases of throat and tonsils.....	9.2	8.1	8.8	8.3
Other respiratory diseases.....	22.3	12.3	25.4	12.6
Diphtheria.....	22.9	20.5
Chickenpox.....	17.6	12.9	17.2	12.6
Measles.....	21.3	15.5	20.4	15.5
German measles.....	(²)	8.7	(²)	8.7
Mumps.....	15.1	12.3	14.5	12.2
Whooping cough.....	48.2	30.2	50.4	32.9
Scarlet fever.....	31.5	16.2	31.8	16.2
Two communicable diseases.....	(²)	24.6	(²)	24.1
Diseases and disorders of the eye.....	8.7	7.6	8.2	7.4
Earache and ear diseases.....	15.0	9.5	13.7	9.2
Toothache and disease of teeth.....	8.1	7.7	8.0	7.1
Digestive diseases and disorders.....	13.2	8.0	12.4	8.1
Skin diseases.....	12.9	9.5	15.0	9.7
Accidents, injuries and abrasions.....	14.2	10.2	12.8	10.6
Miscellaneous sickness.....	13.5	10.4	12.1	9.9
All sickness.....	14.0	9.5	13.5	9.4

¹ Days in 1948 corrected to a 7-day-week basis to agree with 1927 study.

² Allocated separately to each cause in 1927-28.

³ Included in miscellaneous other sickness in 1927-28.

Table 7. *Average duration per case of sickness, by age and sex, New Haven, 1927-28 and 1948-49*

Age (years)	Average number of days of sickness per case			
	Boys		Girls	
	1927	1948 ¹	1927	1948 ¹
5 and under.....	19.5	11.5	18.8	11.8
6.....	15.9	11.1	16.0	10.9
7.....	15.4	10.4	14.1	10.2
8.....	13.0	9.4	12.8	9.2
9.....	12.3	9.0	11.8	9.0
10.....	10.9	8.8	11.0	8.4
11.....	10.2	8.1	10.1	8.3
12.....	10.0	7.7	10.3	8.1
13.....	10.1	8.0	10.1	7.8
14.....	10.4	7.7	9.5	7.6
15.....	10.4	7.3	8.9	7.7
16.....	8.5	7.1	9.0	5.6
17.....	8.6	7.0	8.5	7.0
18.....	8.2	6.9	8.5	7.1
19.....	11.8	5.3	9.0	5.2
20 and over.....	7.0	5.8
All ages.....	14.0	9.5	13.5	9.4

¹ Days in 1948 study corrected to a 7-day-week basis to agree with 1927 study.

No significant differences are noted in the average duration per case by sex. In fact, there is remarkable uniformity (table 6). The lack of sex difference is again noted in the average duration per case by age (table 7).

Summary

1. A follow-up study on the causes of absenteeism in New Haven schools was made 21 years after the 1927-28 investigation by Wilson et al.

2. The studies are comparable except that the 1927-28 survey included absence over Saturdays, Sundays, and short holidays if the child was absent prior to a week end or legal holiday; while the 1948-49 study considered school days only. Nevertheless, it is considered that the addition of 1 day for each 2.5 days' absence during 1948-49 allows for comparison with the 1927-28 figures.

3. In a smaller school population of 25,606 in 1948-49 compared with 33,700 in 1927-28, 180 school days instead of 186 days, and 4,609,080 pupil days compared with 6,268,200, the absenteeism rate per 100 pupils is 66.3 for 1948-49 compared with 48.6 in 1927-28.

4. The major change is the increase in incidence of respiratory infections; absences attributed to this cause rose from 132.49 to 228.07 per 100,000 pupil days. A particularly important decline in average days of absence per case occurred in the "other respiratory disease" category.

5. The childhood communicable diseases show no marked change in case load, the major change being a decrease in average days of absence per case.

6. There continues to be no demonstrable sex difference.

7. The younger age groups continued to have the highest incidence of illness, but the incidence is consistently higher for each age in 1948-49 except for age 5 and under. The 1948-49 increase in morbidity is most marked in the older children, starting about age 10.

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Reported Incidence of Communicable Diseases in the United States, Third Quarter, 1950

This summary gives provisional figures on cases of communicable diseases reported by the health departments of each State, Alaska, Hawaii, Panama Canal Zone, Puerto Rico, and the Virgin Islands for the third quarter of 1950. The figures are subject to change when final annual figures are released by each State, but in most instances the changes will be small.

Usefulness of the data is limited greatly by wide variation in completeness and accuracy of reporting within and between States and for different diseases. Variation in use of laboratory procedures for confirmation of diagnoses, differing definitions of diseases for reporting purposes, and varying methods of tabulation also contribute to the difficulties of interpretation.

The table gives the numbers of reported cases of selected communicable diseases for each division and State in July, August, and September 1950. Data for diseases reported with low frequencies or by only a few States are given after the table.

Whooping Cough

Reported cases of whooping cough for the quarter totaled 28,403 as compared with 19,668 for the same period in 1949. The 5-year median was 29,216. The States reporting the largest numbers were Texas (3,545), Michigan (2,337), New York (1,739), and Wisconsin (1,630).

Poliomyelitis

The greatest incidence of poliomyelitis in the United States occurs in the third quarter of the year, usually about two-thirds of the total for any given year. In this quarter of 1950, 18,579 cases were reported compared with 29,661 in the same period of 1949. New York State reported the largest number of cases (2,356), followed by Texas (1,481), Illinois (1,112), Michigan (992), California (925), and Ohio (922). All of these States, except Texas, reported fewer cases than in the third quarter of 1949.

Rocky Mountain Spotted Fever

A total of 264 cases was reported during this quarter compared with 300 in the same period of 1949. Nearly one-half (48 percent) of the total for the entire country occurred in 3 South Atlantic States. Maryland reported 29 cases, Virginia 47, and North Carolina 52.

Scarlet Fever and Septic Sore Throat

In the third quarter of 1950, a total of 4,331 cases of scarlet fever

Reported Cases of Selected Communicable Diseases in the United States, Each Division and State, Third Quarter 1950

[Numbers under diseases are International List numbers, 1948 revision]

Area	Brucel- losis (044)	Chicken- pox (087)	Conjunc- tivitis ¹ (370)	Diph- theria (055)	Dysentery (045-048)		
					Amebic (046)	Bacillary (045)	Unspec- ified (047, 048)
New England	29	1,599	1	31	3	35	
Maine.....	2	262		13		2	
New Hampshire.....		24					
Vermont.....	3	131					
Massachusetts.....	7	771		18	1	27	
Rhode Island.....	2	59					
Connecticut.....	15	262	1		2	6	
Middle Atlantic	55	3,165	5	73	227	124	
New York.....	32	1,402	5	37	214	116	
New Jersey.....	6	946		11	11	4	
Pennsylvania.....	17	817		25	2	4	
East North Central	210	3,067	31	64	266	145	42
Ohio.....	7	658		12	3	11	23
Indiana.....	17	62		23		1	2
Illinois.....	112	598	11	14	217	52	
Michigan.....	28	575	20	21	46	81	(*)
Wisconsin.....	46	1,194		4			17
West North Central	295	449	1	41	22	66	7
Minnesota.....	56	83		11	16	55	
Iowa.....	66	102		5	1	1	
Missouri.....	18	89	1	9	3	8	6
North Dakota.....	12	29					
South Dakota.....	10	12		3	(*)	(*)	(*)
Nebraska.....	4	37		1	1		
Kansas.....	39	97		12	1	2	1
South Atlantic	94	453	62	370	75	196	1,666
Delaware.....		10				2	
Maryland.....	16	109		14	1	4	
District of Columbia.....	1	66		1	1	20	
Virginia.....	17	135		39	3		1,657
West Virginia.....		29		49		18	
North Carolina.....	10			159	23	15	
South Carolina.....	1			46	4	38	
Georgia.....	34	34	31	47	11	88	9
Florida.....	15	70	31	15	32	11	
East South Central	43	165	3	182	117	69	7
Kentucky.....	4	39	1	35	48	18	
Tennessee.....	15	98	2	25	23	28	7
Alabama.....	13	28		61	14	(*)	(*)
Mississippi.....	11			61	32	23	(*)
West South Central	114	68		250	266	5,047	3,286
Arkansas.....	9	33		28	25	142	161
Louisiana.....	11	4		29	92	1	(*)
Oklahoma.....	32	31		27	13	7	40
Texas.....	62			166	136	4,897	3,055
Mountain	36	762	57	38	107	374	86
Montana.....	10	111	4	7	4	1	
Idaho.....	6	52	4	2			
Wyoming.....	3	21					
Colorado.....	10	127		6	1	12	
New Mexico.....		37		1	11	21	24
Arizona.....	2	92	7	17	82	340	40
Utah.....	5	239		5	9		
Nevada.....		23	42				22
Pacific	45	1,737	10	41	191	178	66
Washington.....	4			4	4	3	55
Oregon.....	5		10	10	84	3	11
California.....	36	1,737		27	103	172	(*)
Third quarter 1950.....	831	11,335	170	1,090	1,274	6,234	5,160
Third quarter 1949.....	1,171	10,524	221	1,513	1,440	8,921	6,943
Median 1945-49.....	1,423	12,362	179	2,039	1,174	7,109	4,042
Alaska.....		53					
Hawaii.....		164	4	2	1	8	
Panama Canal Zone ²	1	91		27	23	4	
Puerto Rico ³		129		140			9
Virgin Islands ³		3					

* Reported not notifiable. ¹ For reported cases of "Ophthalmia neonatorum" see the section following table. ² Four months, May to August. ³ From weekly reports, June to September.

Reported Cases of Selected Communicable Diseases in the United States, Each Division and State, Third Quarter 1950—Continued

[Numbers under diseases are International List numbers, 1948 revision]

Area	Encephalitis, acute infectious (082)	German measles (086)	Hook-worm disease (129)	Influenza (480-483)	Malaria (110-117)	Measles (085)	Meningitis, meningococcal (057.0)
New England	8	441		20	3	2,295	23
Maine		66		14		52	5
New Hampshire		25		2		60	1
Vermont		39				74	
Massachusetts	6	255		(*)	1	1,576	9
Rhode Island		1		4		17	2
Connecticut	2	55			2	516	6
Middle Atlantic	54	913	41	28	5	7,761	106
New York	42	379	41	16	2	3,141	46
New Jersey	9	352		11	3	2,271	9
Pennsylvania	3	182		11		2,349	51
East North Central	41	563	3	195	1	6,696	101
Ohio	2	126	2	18		1,380	25
Indiana	5	18		4		318	1
Illinois	14	84		14	1	1,732	39
Michigan	13	160	1	4		1,160	21
Wisconsin	7	175		155		2,096	15
West North Central	30	28		76	1	916	59
Minnesota	2			13	1	192	13
Iowa		2				125	11
Missouri	2	8		15		289	14
North Dakota	11			5		62	6
South Dakota	10					54	6
Nebraska				36		107	4
Kansas	5	16		7		87	5
South Atlantic	8	57	1,338	2,308	65	1,209	63
Delaware		1				47	3
Maryland		33		19	4	37	8
District of Columbia	3			7	2	137	7
Virginia				1,906	7	416	14
West Virginia	1	17		117		174	15
North Carolina					12	115	16
South Carolina	3			141	32	39	8
Georgia	1			109	7	99	7
Florida		6	1,338	9		145	5
East South Central	15	24	443	213	70	646	84
Kentucky	2	7	48	2	4	200	20
Tennessee	9	16	4	107	6	276	35
Alabama	3	1		82	35	113	21
Mississippi	1		391	22	25	57	8
West South Central	32	34	94	6,693	682	1,757	130
Arkansas		10	1	368	22	155	18
Louisiana		1	82	3		43	13
Oklahoma	9	23	11	266	50	78	10
Texas	23			6,056	610	1,481	89
Mountain	14	173	2	853	3	1,561	16
Montana		18		160		47	2
Idaho	3	23		66		215	3
Wyoming		14				35	
Colorado	2	28		129		663	
New Mexico		5		9	1	60	2
Arizona	3	52		424	2	78	8
Utah	2	33		4		425	1
Nevada	4		2	61		38	
Pacific	159	463	1	157	11	2,472	49
Washington	1			32		217	5
Oregon	2		1	69		147	7
California	156	463		56	11	2,108	37
Third quarter 1950	361	2,694	1,922	10,543	841	25,303	651
Third quarter 1949	314	3,046	2,500	3,112	1,585	23,135	632
Median 1945-49	314	2,161	2,799	7,581	7,126	23,135	632
Alaska	1	4		8	1	7	
Hawaii		29		164		28	2
Panama Canal Zone ¹		69		6	125	494	
Puerto Rico ²				500	34	895	
Virgin Islands ³							

* Reported not notifiable. ¹ New York City only. ² Four months, May to August. ³ From weekly reports, June to September.

**Reported Cases of Selected Communicable Diseases in the United States,
Each Division and State, Third Quarter 1950—Continued**

[Numbers under diseases are International List numbers, 1948 revision]

Area	Mumps (089)	Pneu- monia (490-493)	Poliomyelitis				Rheu- matic fever (400-402)
			Total (080.0- 080.3)	Paralytic (080.0- 080.1)	Non- paralytic (080.2)	Unspec- ified (080.3)	
New England	1,209	337	734	252	186	296	16
Maine.....	112	112	61	37	24	—	—
New Hampshire.....	17	—	24	—	—	24	—
Vermont.....	200	—	23	—	—	23	—
Massachusetts.....	556	(*)	304	159	107	38	(*)
Rhode Island.....	5	23	37	—	—	37	16
Connecticut.....	319	202	285	56	55	174	(*)
Middle Atlantic	4,605	2,197	3,683	—	—	3,683	150
New York.....	1,908	1,413	2,356	—	—	2,356	(*)
New Jersey.....	1,353	333	529	—	—	529	(*)
Pennsylvania.....	1,344	451	778	—	—	798	150
East North Central	3,486	1,083	3,544	975	872	1,997	105
Ohio.....	927	165	922	—	—	922	12
Indiana.....	46	63	286	65	39	182	5
Illinois.....	614	653	1,112	537	437	138	22
Michigan.....	852	248	992	373	396	223	64
Wisconsin.....	1,047	54	532	—	—	532	2
West North Central	484	843	2,101	246	130	1,725	19
Minnesota.....	6	131	313	145	119	49	15
Iowa.....	85	6	868	—	—	868	—
Missouri.....	120	92	220	—	—	220	—
North Dakota.....	2	525	30	—	—	30	2
South Dakota.....	4	—	90	—	—	90	(*)
Nebraska.....	120	14	259	—	—	259	1
Kansas.....	147	75	321	101	11	209	1
South Atlantic	1,020	1,442	2,909	523	262	2,114	72
Delaware.....	24	—	26	—	—	26	—
Maryland.....	319	212	392	243	149	—	14
District of Columbia.....	72	142	140	46	94	—	3
Virginia.....	276	300	868	—	—	868	26
West Virginia.....	66	26	229	—	—	229	7
North Carolina.....	—	—	502	—	—	502	—
South Carolina.....	—	58	315	—	—	315	11
Georgia.....	100	591	252	225	14	13	11
Florida.....	163	113	185	19	5	161	(*)
East South Central	361	998	1,221	798	30	393	106
Kentucky.....	43	182	442	366	17	59	8
Tennessee.....	170	307	382	382	(*)	(*)	20
Alabama.....	148	310	187	—	—	187	64
Mississippi.....	—	199	210	50	13	147	14
West South Central	441	2,679	2,256	225	164	1,867	18
Arkansas.....	163	154	203	70	76	57	3
Louisiana.....	40	204	223	144	79	(*)	8
Oklahoma.....	238	157	349	11	9	329	7
Texas.....	—	2,164	1,481	—	—	1,487	(*)
Mountain	1,309	402	357	88	67	202	73
Montana.....	73	3	24	7	1	16	—
Idaho.....	52	44	59	—	—	59	12
Wyoming.....	61	13	23	11	8	4	1
Colorado.....	342	130	89	43	38	8	16
New Mexico.....	46	97	58	27	20	11	13
Arizona.....	292	74	61	—	—	61	22
Utah.....	410	23	34	—	—	34	9
Nevada.....	33	18	9	—	—	9	—
Pacific	2,551	571	1,474	454	253	767	138
Washington.....	91	327	327	14	25	288	53
Oregon.....	—	82	222	131	44	47	5
California.....	2,551	398	925	309	184	432	80
Third quarter 1950.....	15,466	10,552	18,579	3,571	1,964	13,044	697
Third quarter 1949.....	16,604	11,376	29,661	6,004	3,376	20,281	819
Median 1945-49.....	16,604	11,376	16,678	(2)	(2)	(2)	842
Alaska.....	39	7	4	—	—	4	3
Hawaii.....	22	6	6	6	—	—	4
Panama Canal Zone ²	640	124	4	—	—	4	5
Puerto Rico ³	—	—	10	—	—	10	—
Virgin Islands ³	—	—	—	—	—	—	—

*Reported not notifiable. ¹ July only. ² Not available. ³ Four months, May to August. ⁴ Canal Zone only for May and June. ⁵ From weekly reports, June to September.

Reported Cases of Selected Communicable Diseases in the United States, Each Division and State, Third Quarter 1950—Continued

[Numbers under diseases are International List numbers, 1948 revision]

Area	Rocky Mountain spotted fever (104)	Scarlet fever (050)	Septic sore throat (051)	Small-pox (084)	Tetanus (061)	Trachoma (095)	Trichiniasis (128)
New England		492	69		17		22
Maine	21	21	7		5		6
New Hampshire	134	134	(¹)				
Vermont	15	15					
Massachusetts	271	271	16		6		15
Rhode Island	10	10	4		4		1
Connecticut	51	51	42		2		
Middle Atlantic	27	664	13		10		47
New York	10	1351	(¹)		6		39
New Jersey	5	83	13		2		1
Pennsylvania	12	230			2		7
East North Central	20	1,045	68		21	9	5
Ohio	5	449	6		3		2
Indiana	4	70	3		5		2
Illinois	10	147	15		6	2	
Michigan	1	252	35		7	1	1
Wisconsin		127	9			6	
West North Central	3	279	31	1	14	120	3
Minnesota		41	27		4		3
Iowa		26	2				
Missouri	2	52			5	117	
North Dakota		19			1		
South Dakota		2					
Nebraska		155	(¹)		1	3	
Kansas	1	34	1	1	3		
South Atlantic	140	699	962		33		3
Delaware		3					2
Maryland	29	43	9		3		1
District of Columbia		15			2		
Virginia	47	118	840		6		
West Virginia	2	33	39				
North Carolina	52	275	5				
South Carolina	6	38	8				
Georgia	4	70	45		9		
Florida		14	16		13		(*)
East South Central	25	543	72	1	28	11	
Kentucky	3	142	39		1	11	
Tennessee	12	263	33		10		
Alabama	9	81	(*)		9		(*)
Mississippi	1	57	(*)	1	8		(*)
West South Central	19	249	3,510		18	31	3
Arkansas	13	27	537		10		
Louisiana	2	17			7		
Oklahoma	4	63	86		1	11	3
Texas		142	2,887		(*)	20	(*)
Mountain	27	104	642		1	87	
Montana	7	5	40				
Idaho	6	14	67		1		
Wyoming	3	1					
Colorado	6	30	58				
New Mexico	1	11	1			10	
Arizona		25	399			76	
Utah	4	11	13				
Nevada		7	64			1	
Pacific	3	486	138		22	9	5
Washington		62	6			2	
Oregon	2	32	59			3	2
California	1	392	73		22	4	3
Third quarter 1950	264	4,331	5,505	2	164	267	88
Third quarter 1949	300	4,046	3,719	4	196	405	71
Median 1945-49	308	6,311	3,719	9	167	372	86
Alaska		2	9				
Hawaii		1			6		
Panama Canal Zone ²		3			5		
Puerto Rico ²					54		
Virgin Islands ²							

* Reported not notifiable. ¹ Cases reported as septic sore throat included with scarlet fever. ² Four months, May to August. ³ From weekly reports, June to September.

**Reported Cases of Selected Communicable Diseases in the United States,
Each Division and State, Third Quarter 1950—Continued**

[Numbers under diseases are International List numbers, 1948 revision]

Area	Tuberculosis		Tula-remia (059)	Typhoid fever (040)	Paraty-phoid fever ¹ (041)	Typhus fever, endemic (101)	Whoop-ing cough (056)
	All forms (001-019)	Respir-atory (001-008)					
New England	1, 296	1, 148	2	26	24		3, 213
Maine.....	134	116		5	1		586
New Hampshire.....	34			3			126
Vermont.....	83	58		1			354
Massachusetts.....	623	589	2	10	23		1, 095
Rhode Island.....	113	101		4			457
Connecticut.....	311	284		3			595
Middle Atlantic	5, 388	3, 104	1	106	28	5	4, 261
New York.....	3, 325	3, 104		25	16	5	1, 739
New Jersey.....	764		1	9	3		1, 273
Pennsylvania.....	1, 299			74	9		1, 349
East North Central	4, 109	2, 300	16	199	55		6, 579
Ohio.....	(*)	(*)		45	3		1, 420
Indiana.....	518	481	7	21	3		344
Illinois.....	1, 940	1, 819	8	29	1		848
Michigan.....	1, 416	(*)		12	42		2, 337
Wisconsin.....	235		1	2	6		1, 630
West North Central	1, 844	276	13	46	10		1, 796
Minnesota.....	670		1	2	10		349
Iowa.....	112	47		3			479
Missouri.....	666		8	31			396
North Dakota.....	78	69	1				119
South Dakota.....	90						46
Nebraska.....	61			2			64
Kansas.....	167	160	2	8			343
South Atlantic	4, 653	3, 876	39	174	58	67	3, 190
Delaware.....	79	79		2			42
Maryland.....	641	606	4	10			488
District of Columbia.....	334	316		3	2		72
Virginia.....	768	754	15	32	7	2	491
West Virginia.....	447	431		23	2		558
North Carolina.....	820	768	5	24	4	3	1, 046
South Carolina.....			2	36	4	1	142
Georgia.....	939	922	10	32	21	52	229
Florida.....	625		3	12	18	9	122
East South Central	3, 252	1, 498	16	164	18	76	1, 243
Kentucky.....	1, 150	1, 115	1	76	1	1	363
Tennessee.....	1, 026	(*)	7	47	11	10	499
Alabama.....	674	(*)	1	26	6	59	302
Mississippi.....	402	383	7	15		6	79
West South Central	2, 759	1, 604	116	291	31	116	4, 200
Arkansas.....	517	504	85	55	2	3	322
Louisiana.....	618	591	4	39	2	30	41
Oklahoma.....	517	509	19	50	5		292
Texas.....	1, 107	(*)	8	147	22	83	3, 545
Mountain	1, 444	989	33	4*	14		1, 553
Montana.....	95	92	7	4			203
Idaho.....	44		1	5	4		168
Wyoming.....	23	22	4				42
Colorado.....	335		1	12	5		313
New Mexico.....	215	211	1	17	1		314
Arizona.....	630	616		4	3		392
Utah.....	70	48	18		1		115
Nevada.....	32		1				11
Pacific	2, 917	2, 372	2	49	121		2, 263
Washington.....	424			2	13		606
Oregon.....	163	153	1	3	3		373
California.....	2, 330	2, 219	1	44	105		1, 284
Third quarter 1950.....	27, 664	17, 167	237	1, 009	359	264	28, 403
Third quarter 1949.....	29, 706	17, 342	308	1, 214	568	338	19, 668
Median 1945-49.....	29, 706	17, 342	267	1, 216	366	612	29, 216
Alaska.....			1	3			32
Hawaii.....	85						11
Panama Canal Zone ²	85	83		8	2	2	32
Puerto Rico ⁴	1, 414			20		8	820
Virgin Islands ³	1	1					34

*Reported not notifiable. ¹ Includes salmonellosis. ² Four months, May to August. ³ Canal Zone only for May and June. ⁴ From weekly reports, June to September.

was reported compared with 4,046 in the same period of 1949 and a 5-year median of 6,311. Cases of septic sore throat totaled 5,505 in this quarter compared with 3,719 in 1949, and a 5-year median of 3,719. The figures for the past 6 years show that while reported cases of scarlet fever have been decreasing, reports of septic sore throat have increased. This relative change is just as evident in the figures for the first quarter of the year which is the period of highest incidence of these streptococcal infections.

Other Diseases

Some diseases such as brucellosis, diphtheria, malaria, smallpox, typhoid fever, and typhus fever were reported in smaller numbers for the quarter than for the previous 5-year period. Some are being studied intensively and for most of them various preventive measures are applied.

Additional Diseases

Figures for additional diseases reported by State health departments in the third quarter of 1950 and not shown in the table are given below. Also included are diseases reported by the Territories and Possessions. Figures for the Panama Canal Zone are for May to August; Puerto Rico (from weekly reports) for June to September; and Virgin Islands for May to August. The numbers in parentheses are from the Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death, World Health Organization, 1948.

Actinomycosis (132): Colorado 2, Georgia 1, Iowa 1, Minnesota 5, New York 1, Pennsylvania 1.

Anthrax (062): Colorado 1, Maryland 1, New Hampshire 1, New Jersey 1, Pennsylvania 7, Texas 1.

Cancer (140-205): Alabama 1,191, Arkansas 145, Colorado 834, Florida 1,414, Georgia 71, Idaho 271, Kansas 1,218, Louisiana 705, Montana 369, Nevada 6, New Mexico 217, North Dakota 251, Pennsylvania 2,225, South Carolina 78, Tennessee 957, Utah 86, Wyoming 102, Alaska 1, Virgin Islands 2.

Coccidioidomycosis (133): Arizona 30, California 15.

Colorado tick fever (096.9): Colorado 21, Wyoming 2.

Dengue (090): Mississippi 1, Texas 7.

Diarrhea of the newborn (764): California 4, Florida 9, Illinois 17, Kansas 1, Maryland 1, Minnesota 1, New Jersey 1, New Mexico 5, New York 7, Ohio 53, Oklahoma 5, Pennsylvania 2, West Virginia 7.

Diarrhea, unspecified (571): Florida 17, Kentucky 23, Maryland 9, Michigan 19, Minnesota 7, New Mexico 41, New York 35, Ohio 541, Pennsylvania 69, Tennessee 53, Washington 1, Alaska 1.

Encephalitis, myelitis, and encephalomyelitis, except acute infections (343): Colorado 2, Iowa 1, Maryland 3, North Carolina 2, Ohio 8, Utah 2, Washington 2.

- Erysipelas (052): Arkansas 2, Connecticut 9, Georgia 3, Idaho 2, Illinois 23, Indiana 2, Kansas 1, Kentucky 1, Louisiana 1, Maryland 1, Michigan 19, Minnesota 1, Missouri 3, Montana 1, Nebraska 1, New Mexico 1, North Dakota 1, Ohio 1, Oregon 6, Pennsylvania 8, Tennessee 7, Wisconsin 7, Alaska 1, Hawaii 4.
- Favus (131 part): Nevada 3.
- Food poisoning (049.2): California 197, Connecticut 56, Idaho 18, Illinois 102, Indiana 2, Louisiana 6, Minnesota 6, Nevada 17, New Mexico 6, New York 216, Ohio 7, Oklahoma 8, Oregon 5, Pennsylvania 59, Utah 3, Alaska 15, Panama Canal Zone 3.
- Glandular fever (infectious mononucleosis) (093): Arizona 11, Connecticut 35, Idaho 2, Kentucky 2, Maryland 5, Michigan 23, Minnesota 97, New Hampshire 1, Oklahoma 6, Pennsylvania 3, Tennessee 12, Washington 4.
- Hepatitis, infectious (092): California 103, Connecticut 1, Florida 8, Idaho 5, Illinois 9, Iowa 14, Kansas 1, Kentucky 3, Maryland 8, Michigan 5, Minnesota 407 (Includes 400 cases estimated to have occurred in Stearns County during an outbreak with onset in November 1949), Montana 10, Nevada 2, New York 92, Oregon 34, Pennsylvania 69, Tennessee 53, Washington 1, Alaska 1.
- Impetigo (695;766): Colorado 10, Connecticut 5, Idaho 6, Illinois 5, Indiana 3, Iowa 4, Kansas 10, Kentucky 25, Maryland 1, Michigan 125, Missouri 14, Montana 2, Nevada 40, New York 14, North Dakota 6, Ohio 1, Alaska 3, Hawaii 61.
- Leprosy (060): California 1, New Jersey 1, New York 2, Texas 7, Hawaii 10, Panama Canal Zone 1.
- Meningitis, except meningococcal and tuberculous (034): Colorado 2, Idaho 3, Illinois 33, Indiana 12, Iowa 6, Kentucky 4, Maryland 4, Massachusetts 32, Michigan 5, Minnesota 4, Mississippi 26, New Mexico 3, New York 36, Ohio 18, Rhode Island 11, Utah 1, Vermont 1, Washington 12, West Virginia 1.
- Ophthalmia neonatorum (033;765): Arkansas 2, Florida 4, Georgia 2, Illinois 39, Louisiana 2, Massachusetts 29, Michigan 7, Mississippi 8, New Jersey 3, New Mexico 2, New York 7, Ohio 143, Oregon 2, Pennsylvania 3, South Carolina 2, Tennessee 5, Texas 10.
- Pellagra (281): Alabama 4, Arizona 1, Arkansas 4, Georgia 20, Louisiana 1, Nevada 2, New Mexico 1, Oklahoma 3, Tennessee 13, Virginia 3.
- Plague (050): Arizona 1, New Mexico 1.
- Psittacosis (096.2): California 2, Louisiana 1, New York 1.
- Rabies (094): Arizona 1, Pennsylvania 3, Tennessee 1, West Virginia 1.
- Relapsing fever (071): California 4, Nevada 2, Oregon 2, Texas 4, Panama Canal Zone, 1.
- Rickettsialpox (108): New York City 33.
- Ringworm of the scalp (131 part): Connecticut 10, Georgia 12, Illinois 89, Indiana 9, Iowa 27, Kansas 17, Kentucky 18, Minnesota 1, Missouri 3, Nevada 6, Ohio 1, Oklahoma 7, Oregon 19, South Carolina 3, Utah 3, Virginia 69, Washington 144, Alaska 1.
- Scabies (135): Idaho 9, Kentucky 30, Maryland 1, Michigan 65, Missouri 7, Nevada 13, Pennsylvania 21, Alaska 13.
- Schistosomiasis (123): New York 16.

Vincent's infection (070): Colorado 20, Florida 24, Georgia 2, Idaho 12, Illinois 9, Indiana 3, Kansas 3, Kentucky 10, Maryland 4, Nevada 11, New Hampshire 3, Ohio 2, Oklahoma 17, Rhode Island 1, South Dakota 1, Tennessee 14.

Weil's disease (072): Michigan 5.

* * * * *

Rabies in animals: Alabama 73, Arizona 2, Arkansas 14, California 27, Colorado 9, Florida 5, Georgia 76, Illinois 20, Indiana 116, Iowa 112, Kansas 10, Kentucky 130, Michigan 60, Mississippi 12, New Mexico 2, New York 327, Ohio 60, Oklahoma 32, Pennsylvania 36, South Carolina 81, Tennessee 51, Texas 216, Virginia 14, West Virginia 27, Wisconsin 7.

Incidence of Disease

No health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring

UNITED STATES

Reports From States for Week Ending December 9, 1950

Influenza

There was an increase in reported cases of influenza for the current week, 3,461, as compared with the previous week when 2,560 cases were reported. States reporting more than 100 cases were: Texas (2,251), Virginia (320), Arizona (186), West Virginia (181), Arkansas (144), and Oklahoma (144). Hawaii, where laboratory tests have shown antibody rise to type A influenza virus, reported 96 new cases for the current week as compared with 30 for the previous week.

Meningococcal Meningitis

There were 80 new cases of meningococcal meningitis reported for

Comparative Data for Cases of Specified Reportable Diseases: United States

[Numbers after diseases are International List numbers, 1948 revision]

Disease	Total for week ended—		5-year median 1945-49	Seasonal low week	Cumulative total since seasonal low week		5-year median 1944-45 through 1948-49	Cumulative total for calendar year		5-year median 1945-49
	Dec. 9, 1950	Dec. 10, 1949			1949-50	1948-49		1950	1949	
Anthrax (062).....	1	-----	(¹)	(¹)	(¹)	(¹)	(¹)	43	51	(¹)
Diphtheria (055).....	132	209	401	27th	2,573	3,829	5,342	5,701	7,597	11,639
Acute infectious encephalitis (082).....	20	11	8	(¹)	(¹)	(¹)	(¹)	953	731	605
Influenza (480-483).....	3,461	2,554	2,813	30th	28,457	23,180	25,204	274,716	99,047	167,455
Measles (085).....	3,008	2,009	2,787	35th	18,254	12,570	18,238	306,425	601,088	584,626
Meningococcal meningitis (057.0).....	80	56	69	37th	741	709	709	3,540	3,225	3,253
Pneumonia (490-493).....	1,551	1,582	-----	(¹)	(¹)	(¹)	(¹)	276,282	73,049	-----
Acute poliomyelitis (080).....	480	322	241	11th	31,343	40,851	24,206	32,474	41,764	24,763
Rocky Mountain spotted fever (104).....	1	-----	1	(¹)	(¹)	(¹)	(¹)	452	558	558
Scarlet fever (050).....	1,194	1,461	2,116	32d	11,673	12,850	16,879	51,843	70,516	78,001
Smallpox (084).....	-----	1	1	35th	11	7	13	37	48	160
Tularemia (059).....	16	22	32	(¹)	(¹)	(¹)	(¹)	841	1,040	962
Typhoid and paratyphoid fever (040, 041) ⁴	54	51	51	11th	2,798	3,249	3,249	3,307	3,737	3,737
Whooping cough (056).....	1,967	2,227	2,252	39th	16,964	16,954	17,880	114,159	63,556	93,755

¹ Not computed. ² Additions, week ended Dec. 2: Nebraska, influenza, 3 cases and measles, 3; Tennessee, pneumonia, 34 cases. ³ Addition: Iowa, delayed report, 7 cases. Deductions: Maine, week ended Sept. 30, 1 case; Georgia, week ended Dec. 2, 1 case. ⁴ Including cases reported as salmonellosis. ⁵ Deduction: North Carolina, week ended July 29, 1 case.

the current week as compared with 56 cases for the same week last year. The cumulative total for 1950 is 3,540 as compared with 3,253 for the same period in 1949.

Other Diseases

A total of 3,008 cases of measles was reported for the current week, and of these, 924 were reported in the East North Central States. New cases of tularemia decreased from 23 for the previous week to 16 for the current week. Poliomyelitis decreased nearly 20 percent from the previous week (597 to 480). The cumulative total for 1950 is 32,474 as compared with 41,764 for the same period last year.

Report of Epidemic

A release by Dr. J. C. Geiger, Director of Public Health in San Francisco, reports a diphtheria episode in the San Francisco Hospital. On November 4, 1950, a 39-year-old man was admitted to a 50-bed ward. One week later he developed sore throat and a fever. A throat culture showed a virulent strain of the mitis type of the diphtheria bacillus. The patient was Shick positive. Two mild secondary cases developed—one was a nurse—both of whom were Shick positive. Seven other persons—one an intern—were found to be carrying the organism, and all were Shick negative.

Deaths During Week Ended Dec. 9, 1950

	<i>Week ended Dec. 9, 1950</i>	<i>Corresponding week, 1949</i>
Data for 94 large cities of the United States:		
Total deaths.....	9, 682	9, 535
Median for 3 prior years.....	9, 535	-----
Total deaths, first 49 weeks of year.....	448, 990	449, 379
Deaths under 1 year of age.....	716	701
Median for 3 prior years.....	700	-----
Deaths under 1 year of age, first 49 weeks of year.....	30, 655	32, 066
Data from industrial insurance companies:		
Policies in force.....	69, 616, 911	69, 975, 135
Number of death claims.....	12, 995	13, 288
Death claims per 1,000 policies in force, annual rate.....	9. 7	9. 9
Death claims per 1,000 policies, first 49 weeks of year, annual rate.....	9. 2	9. 1

**Reported Cases of Selected Communicable Diseases: United States,
Week Ended Dec. 9, 1950**

[Numbers under diseases are International List numbers, 1948 revision]

Area	Diph- theria (055)	Encep- halitis, in- fectious (082)	Influ- enza (480-483)	Measles (085)	Menin- gitis, men- gococcal (057.0)	Pneu- monia (490-493)	Polio- myelitis (080)
United States	132	20	3,461	3,008	80	1,551	490
New England	7	2	1	89	5	55	19
Maine.....	2			1		2	
New Hampshire.....	3						
Vermont.....				25			
Massachusetts.....	2	2		49	4		10
Rhode Island.....				6			
Connecticut.....			1	8	1	53	9
Middle Atlantic	7	5	2	532	12	469	84
New York.....	3	5	1	214	11	357	62
New Jersey.....			1	87		64	7
Pennsylvania.....	4			231	1	48	15
East North Central	11	2	34	924	10	115	108
Ohio.....	5		1	168	3		32
Indiana.....			19	14		13	8
Illinois.....	3	1	1	270	3	40	21
Michigan.....	3	1	5	138	1	44	34
Wisconsin.....			8	334	3	18	13
West North Central	5		21	267	8	147	62
Minnesota.....	3		1	52	3	6	10
Iowa.....					1	2	6
Missouri.....	2		3	109	3	18	8
North Dakota.....			10	7		115	
South Dakota.....				7			28
Nebraska.....							4
Kansas.....			7	92	1	6	6
South Atlantic	24		563	207	17	211	62
Delaware.....				5			1
Maryland.....			1	3	1	31	4
District of Columbia.....			1	4		24	1
Virginia.....	2		320	99	5	115	11
West Virginia.....	3		181	20	2	7	4
North Carolina.....	6			19	5		12
South Carolina.....	5		37	1	1	7	2
Georgia.....	5		22	49	1	18	9
Florida.....	3		1	7	2	9	18
East South Central	27	1	53	75	12	66	13
Kentucky.....	9			5	5	18	1
Tennessee.....	4		31	32	3		6
Alabama.....	12		17	2	2	26	
Mississippi.....	2	1	5	36	2	22	6
West South Central	38	4	2,539	213	9	393	28
Arkansas.....	1		144	20		34	3
Louisiana.....	1	1		4		30	11
Oklahoma.....	4	1	144	40	1	30	4
Texas.....	32	2	2,251	149	8	299	10
Mountain	1		231	282		47	16
Montana.....			10	21			
Idaho.....			13	39			1
Wyoming.....				3			
Colorado.....			21	151		31	3
New Mexico.....				24		6	7
Arizona.....	1		186	14		9	5
Utah.....			1	26			
Nevada.....				4		1	
Pacific	12	6	17	419	7	48	88
Washington.....	2	1		166	3	10	19
Oregon.....			10	24		10	11
California.....	10	5	7	229	4	28	58
Alaska.....			2			2	2
Hawaii.....			96	3			1

¹ New York City only.
Anthrax: Massachusetts, 1 case.

**Reported Cases of Selected Communicable Diseases: United States,
Week Ended Dec. 9, 1950—Continued**

[Numbers under diseases are International List numbers, 1948 revision]

Area	Rocky Mountain spotted fever (104)	Scarlet fever (050)	Small-pox (084)	Tularemia (059)	Typhoid and paratyphoid fever ¹ (040, 041)	Whooping cough (056)	Rabies in animals
United States	1	1,194		16	54	1,967	101
New England		129			2	313	
Maine.....		19				50	
New Hampshire.....		3				1	
Vermont.....		8				72	
Massachusetts.....		82			1	93	
Rhode Island.....		2			1	43	
Connecticut.....		15				54	
Middle Atlantic		170			5	342	25
New York.....		88			4	134	22
New Jersey.....		21			1	135	
Pennsylvania.....		61				73	3
East North Central		322		4	6	445	9
Ohio.....		90		1	1	65	4
Indiana.....		32		2		69	
Illinois.....		47		1	3	31	1
Michigan.....		117			2	156	4
Wisconsin.....		36				124	
West North Central		82			3	113	5
Minnesota.....		14				33	1
Iowa.....		27				24	4
Missouri.....		12			1	10	
North Dakota.....		2			1	3	
South Dakota.....		2				4	
Nebraska.....		10					
Kansas.....		15			1	39	
South Atlantic	1	164		6	6	292	11
Delaware.....		2				6	
Maryland.....	1	7			1	23	
District of Columbia.....		6				3	
Virginia.....		33		4		122	1
West Virginia.....		10			1	38	
North Carolina.....		76		1	1	54	
South Carolina.....		5			1	7	4
Georgia.....		15		1	2	15	6
Florida.....		10				24	
East South Central		99		5	5	50	17
Kentucky.....		26				8	7
Tennessee.....		44		3	3	32	8
Alabama.....		19				9	2
Mississippi.....		10		2	2	1	
West South Central		76			12	236	33
Arkansas.....		4			1	48	2
Louisiana.....		17			5	10	
Oklahoma.....		22				18	2
Texas.....		33			6	160	29
Mountain		57		1	2	118	
Montana.....		7				28	
Idaho.....		15					
Wyoming.....						10	
Colorado.....		10		1		19	
New Mexico.....		5				29	
Arizona.....						31	
Utah.....		19			2	1	
Nevada.....		1					
Pacific		95			13	58	1
Washington.....		69			2	13	
Oregon.....		21			2	11	1
California.....		5			9	34	
Alaska.....							
Hawaii.....		1					

¹ Including cases reported as salmonellosis.

² Including cases reported as streptococcal sore throat.

FOREIGN REPORTS

CANADA

Reported Cases of Certain Diseases—Week Ended November 25, 1950

Disease	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Total
Brucellosis.....					3	2	1				6
Chickenpox.....	2		76	4	219	510	85	150	135	111	1,292
Diphtheria.....				2	3						5
Dysentery, bacillary.....					2						2
German measles.....			18	3	12	48		12	19	45	157
Influenza.....			90			3	2			2	97
Measles.....	4		13		344	787	35	30	10	45	1,268
Meningitis, meningococcal.....			1	1		2			1	1	6
Mumps.....	18		11	1	107	280	47	102	182	165	913
Poliomyelitis.....				1		1		1	1	1	5
Scarlet fever.....	2			1	79	39	21	21	76	41	280
Tuberculosis (all forms).....	25		10	3	43	24	15	8	11	38	177
Typhoid and paratyphoid fever.....					9		1	1			11
Veneral diseases:											
Gonorrhoea.....	4		8	4	94	70	29	15	42	71	337
Syphilis (total).....	3		5	3	48	19	5	10	4	10	107
Primary.....					10	3		4	1		18
Secondary.....					4	1					5
Other.....	3		5	3	34	15	5	6	3	10	84
Whooping cough.....	1		13	9	66	156	10	6	2	31	294

FINLAND

Reported Cases of Certain Diseases—October 1950

Disease	Cases	Disease	Cases
Diphtheria.....	48	Scarlet fever.....	2,693
Dysentery.....	1	Typhoid fever.....	7
Meningitis, meningococcal.....	12	Veneral diseases:	
Paratyphoid fever.....	122	Gonorrhoea.....	647
Poliomyelitis.....	70	Syphilis.....	45

NORWAY

Reported Cases of Certain Diseases—September 1950

Disease	Cases	Disease	Cases
Anthrax.....	1	Paratyphoid fever.....	1
Diphtheria.....	31	Pneumonia (all forms).....	1,762
Dysentery, unspecified.....	1	Poliomyelitis.....	236
Encephalitis, infectious.....	2	Rheumatic fever.....	88
Erysipelas.....	370	Scabies.....	873
Gastroenteritis.....	3,820	Scarlet fever.....	138
Hepatitis, infectious.....	102	Tuberculosis (all forms).....	277
Impetigo contagiosus.....	2,285	Typhoid fever.....	1
Influenza.....	3,189	Veneral diseases:	
Malaria.....	2	Gonorrhoea.....	229
Measles.....	220	Syphilis.....	67
Meningitis, meningococcal.....	11	Other forms.....	1
Mumps.....	74	Whooping cough.....	1,917

WORLD DISTRIBUTION OF CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER

The following tables are not complete or final for the list of countries included or for the figures given. Since many of the figures are from weekly reports, the accumulated totals are for approximate dates.

CHOLERA

(Cases)

Place	January- September 1950	October 1950	November 1950—week ended—			
			4	11	18	25
ASIA						
Burma.....	467	59	14	56	175	
Akyab.....	2					
Bassein.....	3					
Kyaukpyu.....	2					
Maubin.....	3					
Moulmein.....	1					
Pegu.....	1					
Rangoon.....	6					1 1
Toungoo.....	8					
India.....	116, 104	20, 917	2, 831	1, 582	292	81
Ahmedabad.....	10					
Allahabad.....	3					
Bombay.....	2 429	1 1				
Calcutta.....	9, 057	105	29	53	45	46
Cawnpore.....	1					
Cocanada.....	2					
Cuddalore.....	38	13	1	1	1	1
Lucknow.....	12					
Madras.....	2 265	620	48	49	22	25
Masulipatam.....	47					
Nagpur.....	60	11				
Negapatam.....	98		4	7	7	1
New Delhi.....	125					
Port Blair (Andaman Islands).....	1 2					
Tellicherry.....	27					
Tiruchirappali.....	1		3	2	10	8
Trichinopoly.....	1					
Tuticorin.....	26					
India (French).....	1, 152	20	22	7	8	
Karikal.....	390	15	14	7	8	
Pondicherry.....	762	5	8			
India (Portuguese).....	17					
Indochina:						
Cambodia.....	5	4		6		
Viet Nam.....	15					
Giadinh.....	3					
Bachgia.....	1					
Saigon.....	1					
Pakistan.....	23, 817	688	318	3	20	
Chittagong.....	186					
Dacca.....	192					

¹ Imported.

² Preliminary.

³ Includes imported cases.

PLAGUE

(Cases)

Place	January- September 1950	October 1950	November 1950—week ended—	November 1950—week ended—	November 1950—week ended—
AFRICA					
Belgian Congo.....	28	2			
Costermansville Province.....	14				
Stanleyville Province.....	14	2			
Madagascar.....	56	20		17	
Rhodesia, Northern.....	2				
Union of South Africa.....	11	6			
Cape Province.....	3	3			
Orange Free State.....	8	3			
Transvaal Province.....	1				
Johannesburg.....	1				
ASIA					
Burma.....	241	12	2	4	3
Bassein.....	1				
Bhamo.....	2 4				
Henzada.....	15				
Kyaiklat.....	34				
Minhla.....	2				
Moulmein.....	2 3				

PLAGUE—Continued

Place	January-September 1950	October 1950	November 1950—week ended—			
			4	11	18	25
ASIA—continued						
Burma—Continued						
Myaungmya.....	5					
Myingyan.....	2					
Pegu.....	75					
Prome.....	11					
Pyapon.....	3					
Bangon.....	8					
Yenangyaung.....	58					
China:						
Chekiang Province.....	42					
Wenchow.....	44					
Fukien Province.....	988					
Amoy.....	10					
Kwangsi Province.....	63					
Kwangtung Province.....	627					
India.....	38,753	1,464	273	91	63	
Allahabad.....	19					
Bombay.....	5					
Calcutta.....	3					
Cawnpore.....	18					
Lucknow.....	10					
Indochina:						
Cambodia.....	46					
Pnompenh.....	3					
Viet Nam.....	112	9	4	3	3	1
Phanthiet.....	82	9			3	
Saigon.....	1					
Laos.....	2					
Indonesia:						
Java.....	237	6				
Bandoeng.....	6					
Djakarta.....	3					
Jogjakarta.....	228	6				
Pakistan.....	1					
Karachi.....	1					
Thailand.....	56					
SOUTH AMERICA						
Brazil.....	33					
Alagoas State.....	8					
Bahia State.....	9					
Ceara State.....	2					
Paraiba State.....	5					
Pernambuco State.....	8					
Sao Paulo State: Santos.....	1					
Ecuador.....	27					
Chimborazo Province.....	4					
El Oro Province.....	4					
Loja Province.....	19					
Peru.....	28					
Ancash Department.....	3					
Lambayeque Department.....	2					
Libertad Department.....	1					
Lima Department.....	11					
Piura Department.....	11					
Venezuela.....	5					
Miranda State.....	5					

¹ Nov. 1-10, 1950. ² Includes imported cases. ³ Imported. ⁴ Deaths. ⁵ Preliminary figures. ⁶ Includes suspected cases. ⁷ Corrected figure.

SMALLPOX

(Cases)

AFRICA						
Algeria.....	101	7		15		
Angola.....	270					
Bechuanaland.....	122					
Belgian Congo.....	3,617	497	149	85	57	132
British East Africa:						
Kenya.....	12					
Nyasaland.....	256	9	3	4	2	
Tanganyika.....	4,104	347				
Uganda.....	3					

SMALLPOX—Continued

Place	January-September 1950	October 1950	November 1950—week ended—			
			4	11	18	25
AFRICA—continued						
Cameroon (British)	424	11				
Cameroon (French)	94	32		17		
Dahomey	346	57		13	13	
Egypt	4	2				
Eritrea	1					
Ethiopia	36					
French Equatorial Africa	454					
French Guinea	12					
French West Africa: Haute Volta	208	9		11		
Gambia	5					
Gold Coast	248	6	3		6	
Ivory Coast	649	7				
Libya	2					
Mauritania	1					
Morocco (French)	10			11	12	
Mozambique	262					
Nigeria	15,990	860				
Niger Territory	1,092	43		15		
Rhodesia:						
Northern	5					
Southern	629	74				
Senegal	2					
Sierra Leone	31					
Sudan (Anglo-Egyptian)	74	2	1	2	1	
Sudan (French)	216	10				
Togo (French)	102					
Tunisia	1					
Union of South Africa	647	20	5	2		
ASIA						
Afghanistan	337	53				
Arabia	336					
Bahrain Islands: Bahrein	36					
Kamaran Island: Kamaran	42					
Burma	5,016	31				
Ceylon	42			41		
China	757	20				
India	122,800	3,290	562	667	233	
India (French)	367	107	32	31	24	
India (Portuguese)	96	5				
Indochina	4,319	13			7	
Indonesia:						
Borneo	876	92	73			
Java	7,220	318	45	30		21
Sumatra	345	1				
Iran	273	19	12	6	7	25
Iraq	160	24	10	9	5	12
Israel	16					
Japan	6					
Korea (Republic of)	1,331					
Lebanon	42					
Netherlands New Guinea	3					
Pakistan	15,852	678	226	36	36	5
Palestine	95					
Straits Settlements:						
Singapore	42					
Syria	15					
Thailand	460					
Transjordan	35					
Turkey (See Turkey in Europe.)						
EUROPE						
Great Britain:						
England: Liverpool	41					
Scotland: Glasgow	21					
Greece	15					
Portugal	1					
Spain: Canary Islands	1					
Turkey	8					
NORTH AMERICA						
Guatemala	7					
Mexico	506					
SOUTH AMERICA						
Argentina	517					
Brazil	97	1		6		
Chile	3,588		1			
Colombia	586					
		14				

SMALLPOX—Continued

Place	January-September 1950	October 1950	November 1950—week ended—			
			4	11	18	25
SOUTH AMERICA—continued						
Ecuador.....	155	18	2			
Paraguay.....	4					
Peru.....	2,680					
Venezuela.....	1,526					
OCEANIA						
Australia: Fremantle.....	4					

¹ Nov. 1-10, 1950. ² Nov. 11-20, 1950. ³ Includes imported cases. ⁴ Imported. ⁵ Preliminary figures. ⁶ Corrected figure.

TYPHUS FEVER*

(Cases; P = Present)

Place	January-September 1950	October 1950	November 1950—week ended—	4	11	18	25
AFRICA							
Algeria.....	108	1			1	2	
Basutoland.....	24						
Belgian Congo.....	288	2					
British East Africa:							
Kenya.....	23						
Mombasa.....	3						
Uganda.....	2						
Egypt.....	89					1	
Eritrea.....	29	3	2		1		
Ethiopia.....	1,046						
French Equatorial Africa.....	5						
Gold Coast.....	9	1					
Libya:							
Cyrenaica.....	27						
Tripolitania.....	71						
Madagascar.....	2						
Morocco (French).....	9	1					
Morocco (International Zone).....	1	1					
Morocco (Spanish Zone).....	6						
Mozambique.....	3						
Nigeria.....	1						
Rhodesia, Southern.....	7						
Sierra Leone.....	5						
Sudan (Anglo-Egyptian).....	4	1					
Tunisia.....	59						
Union of South Africa.....	75	P	P				
ASIA							
Afghanistan.....	1,299	4					
Burma.....	15						
Ceylon.....	1						
China.....	20						
India.....	301	16					
India (Portuguese).....	47	7					
Indochina.....	32	2					
Indonesia:							
Java.....	6						
Sumatra.....	1						
Iran.....	193	10	1	2		2	
Iraq.....	130						
Japan.....	927						
Korea (Republic of).....	1,161						
Lebanon.....	2						
Netherlands New Guinea.....	2						
Pakistan.....	98	1					
Palestine.....	7						
Straits Settlements: Singapore.....	8						
Syria.....	39						
Transjordan.....	28						
Turkey (see Turkey in Europe).							
EUROPE							
France.....	1						
Germany (British Zone).....	2						
Germany (French Zone).....	2						
Germany (United States Zone).....	3						
Great Britain:							
England: Liverpool.....	1						
Island of Malta.....	35						

TYPHUS FEVER—Continued

Place	January-September 1950	October 1950	November 1950—week ended—			
			4	11	18	25
EUROPE—continued						
Greece.....	28					
Hungary.....	4					
Italy.....	47					
Sicily.....	36					
Poland.....	37					
Portugal.....	2					
Spain.....	43					
Turkey.....	161	13	3	3	6	7
Yugoslavia.....	252					
NORTH AMERICA						
Costa Rica ¹	15	2				
Guatemala.....	30					
Jamaica ²	29	1		1		
Mexico ³	342	2				
Panama Canal Zone ⁴	3					
Puerto Rico ⁵	4 17	1	1			
Virgin Islands.....	1					
SOUTH AMERICA						
Argentina.....	2					
Chile.....	124	4	2	2	1	1
Colombia.....	489	19				
Curacao.....	3					
Ecuador.....	255	8				
Peru.....	1,069					
Venezuela.....	128					
OCEANIA						
Australia ¹	4 103		1			
Hawaii Territory ²	6			1		

* Reports from some areas are probably murine type, while others include both murine and louse-borne types.

¹ Nov. 1-10, 1950. ² Includes murine type. ³ Murine. ⁴ Corrected figure. ⁵ Imported.

YELLOW FEVER

(C—cases; D—deaths)

AFRICA						
Belgian Congo.....	D	1				
Stanleyville Province.....	D	1				
French Equatorial Africa.....	C	1 1				
Port Gentil.....	C	1 1				
Gold Coast.....	C	12	3	1	1	
Accra.....	D	2	2			
Ankobra Ferry.....	D	1				
Bogoso.....	C	1 1	1			
Kade.....	C	1				
Oda Area:						
Akwatia.....	C	7	1 1			
Atankama.....	C	1				
Taquah-Abosc.....	D			1 1		
Nigeria.....	D	2				
Calabar.....	D	1				
Ibadan.....	D	1				
Sierra Leone.....	C	2				
Kolnadugu District.....	C	2				
NORTH AMERICA						
Panama:						
Colon.....	D	1				
SOUTH AMERICA						
Bolivia.....	C	867				
Chuquisaca Department.....	C	4 850				
La Paz Department.....	C	17				
Brazil.....	D	2				
Bahia State.....	D	1				
Ipiacu.....	D	1				
Maranhao State.....	D	1				
Collinas.....	D	1				

YELLOW FEVER—Continued

Place	January- Septem- ber 1950	October 1950	November 1950—week ended—			
			4	11	18	25
SOUTH AMERICA—continued						
Colombia.....	D	4				
Magdalena Department.....	D	1				
Los Angeles, Rio de Oro.....	D	1				
Putumayo Commissary.....	D	1				
Mocoa Locality.....	D	1				
Santander Department.....	D	1				
Ocana.....	D	1				
Peru.....	D	8	2			
Cuzco Department.....	D	1				
Quincemil.....	D	1				
Huanuco Department.....	D	5	1			
Tingo Maria.....	D	5	1			
Junin Department.....	D	1				
San Ramon.....	D	1				
Loredo Department.....	D	1				
Puealpa.....	D	1				
San Martin Department.....	D	4				
Bellavista.....	D	1				
Juanjui.....	D	1				
Lamas.....	D	1				
Tarapoto.....	D	1				
Venezuela.....	D		2	1		
Bolívar State.....	D		2			
Argelia.....	D		1			
La Parida.....	D		1			
Tachira State.....	D			1		

¹ Suspected. ² Includes suspected cases. ³ Imported. ⁴ Estimated number of cases reported in an outbreak in Asero Province Jan. 1–Mar. 14, 1950. ⁵ Outbreak in North and South Yungas Provinces.