

# ABSTRACT OF SANITARY REPORTS.

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## UNITED STATES.

### SPECIAL REPORTS.

*Report on typhus fever patients at New York.*—The following dispatch has been received at this Office :

NEW YORK, N. Y., *March 9, 1892.*

One hundred and fifty-three cases to date. Thirteen deaths. Eighty-two in one hospital at present.

CYRUS EDSON, M. D.,  
*Chief Inspector.*

*Completion of wharf, etc., at Key West Quarantine Station.*—Under date of February 29, 1892, Assistant Surgeon Geddings reports the completion of the wharf and causeway at the Key West Quarantine Station, Dry Tortugas, Florida.

*Infected vessel at South Atlantic Quarantine Station.*—Acting Assistant Surgeon Disney writes as follows, under date of February 27, 1892 :

I have the honor to report the arrival and inspection to-day of the Norwegian bark *Ornen* from Santos, in ballast to Tybee for orders.

The mate died after three days' illness from yellow fever at hospital in Santos. The captain declares there has been no sickness of any kind aboard since.

With the exception of the boatswain, a new crew was shipped at Santos. The vessel is clean for her age and usage. The crew are all well. She will await orders here, and meanwhile undergo disinfection.

### *Reports of States, and yearly and monthly reports of cities.*

FLORIDA—*Pensacola.*—Month of February, 1892. Population, 11,750. Total deaths, 24, including phthisis pulmonalis, 3; influenza, 1; and enteric fever, 3.

INDIANA—*Evansville.*—Month of February, 1892. Population, 50,756. Total deaths, 72, including phthisis pulmonalis, 9; influenza, 8; and diphtheria, 4.

IOWA—*Keokuk.*—Month of February, 1892. Population, 14,101. Total deaths, 19, including phthisis pulmonalis, 2; influenza, 2; diphtheria, 1; and croup, 4.

KENTUCKY—*Louisville*.—Month of January, 1892. Population, 161,129. Total deaths, 470, including phthisis pulmonalis, 38; influenza, 48; enteric fever, 10; scarlet fever, 3; diphtheria, 12; croup, 8; and whooping cough, 1.

Month of February, 1892. Total deaths, 263, including phthisis pulmonalis, 34; influenza, 10; enteric fever, 6; scarlet fever, 1; and croup, 1.

MICHIGAN.—Week ended February 27, 1892. Reports to the State board of health, Lansing, from 66 observers, indicate that dysentery, measles, whooping cough, typho-malarial fever, inflammation of kidney, diphtheria, and scarlet fever increased, and that cholera morbus, cholera infantum, membranous croup, pleuritis and remittent fever decreased in area of prevalence.

Diphtheria was reported present during the week at 26 places, scarlet fever at 51, enteric fever at 15, and measles at 10 places.

Month of February, 1892. Reports from observers, compared with the preceding month, indicate that cholera infantum, measles whooping cough, cerebro-spinal meningitis, and cholera morbus increased, and dysentery, typhoid fever, typho-malarial fever, pneumonia, and inflammation of bowels decreased in prevalence.

Compared with the average for the month of February, in the six years, 1886–1891, cholera infantum, cholera morbus, membranous croup, and influenza, were more prevalent, and smallpox, typho-malarial fever, inflammation of brain, measles, typhoid fever, whooping cough, dysentery, intermittent fever, remittent fever, inflammation of bowels, diarrhœa, and diphtheria were less prevalent in February, 1892.

Including reports by regular observers and others diphtheria was reported present in the month of February, 1892, at 60 places, scarlet fever at 100, typhoid fever at 32, and measles at 21 places.

Reports from all sources show diphtheria reported at 10 places less, scarlet fever at 7 places less, typhoid fever at 8 places less, and measles at 8 places more than in the preceding month.

*Grand Rapids*.—Month of February, 1892. Population, 60,278. Total deaths, 86, including phthisis pulmonalis, 11; enteric fever, 2; scarlet fever, 1; diphtheria, 2; and influenza, 2.

NEW YORK.—Month of January, 1892. Reports to the State board of health from eight districts, including New York City, Brooklyn, and 147 other cities and towns, show a total of 13,460 deaths, including phthisis pulmonalis, 1,286; smallpox, 2; enteric fever, 116; scarlet fever, 294; diphtheria and croup, 650; measles, 80; and whooping cough, 48.

The following is extracted from the *Monthly Bulletin* of the State board of health for January :

The mortality of January is greater than that of any month previously recorded except that of April, 1891, which it nearly equals ; it arose from a daily average of 291 deaths in November, of 362 in December to one of 434, exceeding the daily average of January, 1891, by 126 deaths, and that of the entire year 1891 by about 100 deaths. The increase is due to epidemic influenza, what may be termed the third outbreak of which reached its height during this month. Compared with January, 1890, and April, 1891, the two months of the height of previous epidemics, the mortality in early life is less, while that of old age seems to be much greater ; from acute respiratory diseases, and also from consumption, the number of deaths is considerably less than in either of the other months. Deaths attributed to diseases of the digestive and circulatory systems are increased ; compared with previous outbreaks, this one has appeared to fall especially upon the aged, the number of deaths of old people being double that of the average for January, and next to that upon diseases of the digestive and circulatory organs. From zymotic diseases the total mortality is greater than in the two months of previous prevalence of influenza, but is less than in December, 1891, the diminution being in diphtheria mainly. Scarlet fever shows a moderate increase. During the month one fatal case of smallpox of obscure origin occurred in Canarsie, Kings County, and one death was reported from New York. Typhus fever, brought by Russian Jews, emigrants on the steamer *Massilia* developed in New York, where over one hundred cases have occurred up to February 25, at Valatie, in Columbia County, and in Newburgh, being, however, limited thus far almost entirely to the emigrants importing it.

*Buffalo*.—Month of January, 1892. Population, 255,664. Total deaths, 483, including phthisis pulmonalis, 45 ; influenza, 23 ; enteric fever, 4 ; scarlet fever, 5 ; diphtheria, 29 ; croup, 27 ; and whooping cough, 1.

NORTH CAROLINA.—Month of February, 1892. Reports to the State board of health, Wilmington, from 20 towns, having an aggregate population of 101,570, show a total of 159 deaths, including 9 from phthisis pulmonalis.

OHIO—*Cincinnati*.—Month of February, 1892. Population, 296,908. Total deaths, 583, including phthisis pulmonalis, 60 ; influenza, 27 ; enteric fever, 9 ; scarlet fever, 5 ; diphtheria, 31 ; croup, 6 ; and whooping cough, 1.

*Dayton*.—Month of February, 1892. Population, 61,220. Total deaths, 82, including phthisis pulmonalis, 16 ; influenza, 1 ; enteric fever, 2 ; diphtheria, 1 ; and croup, 1.

TEXAS—*Galveston*.—Under date of February 27, 1892, Assistant Surgeon Smith reports one case of diphtheria admitted to the United States marine hospital at the above-named port.



Table of temperature and rainfall, week ended March 4, 1892.

[Received from Department of Agriculture, Weather Bureau.]

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	*Excess.	*Deficiency.	Normal.	Excess.	Deficiency.
<b>New England States:</b>						
Eastport, Me.....	25		42	1.09		.63
Portland, Me.....	27		54	.87		.44
Boston, Mass.....	31		50	.95	.01	
Block Island, R. I.....	33		25	1.07	.49	
<b>Middle Atlantic States:</b>						
Albany, N. Y.....	29		61	.70		.06
New York, N. Y.....	34		29	.98	.83	
Philadelphia, Pa.....	37		35	.77	.56	
Atlantic City, N. J.....	35		5	.84	.01	
Baltimore, Md.....	39		18	.95	.62	
Washington, D. C.....	38		11	.88	1.09	
Lynchburg, Va.....	43		18	.84	.80	
Norfolk, Va.....	45		20	.98	.38	
<b>South Atlantic States:</b>						
Charlotte, N. C.....	48		30	1.09		.08
Wilmington, N. C.....	52		34	.88		.19
Charleston, S. C.....	55		33	.86		.78
Augusta, Ga.....	54		50	1.06		.78
Savannah, Ga.....	57		47	.77		.73
Jacksonville, Fla.....	61		50	.77		.72
Key West, Fla.....	72		50	.31		.31
<b>Gulf States:</b>						
Atlanta, Ga.....	50		45	1.37		1.25
Pensacola, Fla.....	58		41	1.17		1.17
Mobile, Ala.....	57		45	1.36		1.36
Montgomery, Ala.....	55		32	1.40		1.40
Vicksburg, Miss.....	56		37	1.30		1.30
New Orleans, La.....	60		46	1.12		1.16
Shreveport, La.....	55		25	1.08		.99
Fort Smith, Ark.....	47	6		.72		.66
Little Rock, Ark.....	50		20	1.35		1.27
Palestine, Tex.....	56		11	.91		.71
Galveston, Tex.....	60		12	.70		.57
San Antonio, Tex.....	59		4	.45		.37
Corpus Christi, Tex.....	61	1		.42		.34
Brownsville, Tex.....	66		19	.35	.05	
<b>Ohio Valley and Tennessee:</b>						
Memphis, Tenn.....	49		15	1.33		1.09
Nashville, Tenn.....	46		16	1.19		.93
Chattanooga, Tenn.....	48		15	1.44		1.29
Knoxville, Tenn.....	46		7	1.33		1.17
Louisville, Ky.....	42	13		1.01		.58
Indianapolis, Ind.....	35	30		.91		.04
Cincinnati, Ohio.....	39	5		.85		.57
Columbus, Ohio.....	35	10		.80		.15
Pittsburg, Pa.....	36		8	.63		.19
<b>Lake Region:</b>						
Oswego, N. Y.....	26		50	.63		.48
Rochester, N. Y.....	27		25	.63	.43	
Buffalo, N. Y.....	26		5	.63	.58	
Erie, Pa.....	30		17	.76		.53
Cleveland, Ohio.....	30	7		.70		.10
Sandusky, Ohio.....	31	9		.66		.06
Toledo, Ohio.....	31		2	.49		.10
Detroit, Mich.....	30		4	.56		.02
Port Huron, Mich.....	25	12		.67		.21
Alpena, Mich.....	20	24		.49		.31
Marquette, Mich.....	18	58		.35		.04
Grand Haven, Mich.....	27	35		.52		.26
Milwaukee, Wis.....	26	43		.53		.01
Chicago, Ill.....	30	20		.56		.12
Duluth, Minn.....	18	57		.28		.25
<b>Upper Mississippi Valley:</b>						
St. Paul, Minn.....	21	59		.28	.04	
La Crosse, Wis.....	24	56		.32		.09
Dubuque, Iowa.....	27	38		.46	.02	
Davenport, Iowa.....	29	41		.49		.17
Des Moines, Iowa.....	28	50		.28	.57	
Keokuk, Iowa.....	32	47		.49		.30
Springfield, Ill.....	35	27		.74		.41
Cairo, Ill.....	43	3		.96		.70
St. Louis, Mo.....	39	25		.66		.62

\*The figures in these columns represent the accumulated excess or deficiency for the week. To obtain the average daily departure these should be divided by seven.

Table of temperature and rainfall, week ended March 4, 1892—Continued.

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	*Excess.	*Defic'ncy.	Normal.	Excess.	Deficiency.
<b>Missouri Valley:</b>						
Springfield, Mo.....	41	6	.....	.73	.....	.47
Kansas City, Mo.....	37	28	.....	.42	.....	.01
Concordia, Kans.....	34	36	.....	.28	.20	.....
Omaha, Nebr.....	30	44	.....	.21	.03	.....
Valentine, Nebr.....	28	23	.....	.18	.28	.....
Huron, S. Dak.....	20	63	.....	.14	.10	.....
Pierre, S. Dak.....	22	61	.....	.13	.66	.....
<b>Extreme Northwest:</b>						
Moorhead, Minn.†.....	12	.....	.....	.17	.....	.....
Bismarck, N. Dak.....	17	56	.....	.21	.....	.15
Buford, Fort, N. Dak.....	16	64	.....	.07	.....	.07
<b>Rocky Mountain Slope:</b>						
Assiniboine, Fort, Mont.....	23	101	.....	.14	.....	.08
Helena, Mont.....	28	85	.....	.14	.....	.14
Salt Lake City, Utah.....	38	46	.....	.39	.....	.18
Cheyenne, Wyo.....	31	45	.....	.14	.....	.02
North Platte, Nebr.....	31	23	.....	.14	.....	.03
Denver, Colo.....	36	33	.....	.14	.50	.....
Montrose, Colo.†.....	36	.....	.....	.10	.....	.....
Pueblo, Colo.....	38	24	.....	.10	.46	.....
Dodge City, Kans.....	37	40	.....	.14	.76	.....
Abilene, Tex.....	53	4	.....	.28	.....	.26
Santa Fé, N. Mex.....	36	24	.....	.10	.63	.....
<b>Pacific Coast:</b>						
Olympia, Wash.....	42	18	.....	1.49	.....	.45
Portland, Oreg.....	45	16	.....	1.61	.27	.....
Roseburg, Oreg.....	46	9	.....	1.00	.....	.62
Red Bluff, Cal.†.....	52	.....	.....	.77	.....	.....
Sacramento, Cal.†.....	53	.....	.....	.74	.....	.....
San Francisco, Cal.....	53	.....	7	.79	.....	.39
Los Angeles, Cal.....	56	.....	11	.77	1.19	.....
San Diego, Cal.†.....	56	.....	.....	.45	.....	.....
Yuma, Ariz.†.....	62	.....	.....	.07	.....	.....

\*The figures in these columns represent the accumulated excess or deficiency of the week. To obtain the average daily departure these should be divided by seven.

†Reports missing.

## FOREIGN.

(Reports received through the Department of State and other channels.)

AUSTRALIA—*Brisbane*.—Month of November, 1891. Total deaths, 97, including phthisis pulmonalis, 10; enteric fever, 2; influenza, 2; and diphtheria, 1.

*Melbourne and suburbs*.—Month of November, 1891. Population, 490,902. Total deaths, 810, including phthisis pulmonalis, 76; influenza, 58; enteric fever, 3; diphtheria, 11; and whooping cough, 12.

BAHAMAS—*Dunmore Town*.—Two weeks ended February 11, 1892. Population, 1,472. One death, but not from contagious disease.

*Green Turtle Cay—Abaco*.—Two weeks ended February 11, 1892. Population, 3,686. Total deaths, 10. No deaths reported from contagious disease.

BRAZIL—*Rio de Janeiro—Yellow fever*.—Two weeks ended January 30, 1892. Total deaths, 844, including 368 from yellow fever.

CEYLON.—Quarter ended September 30, 1891. Total deaths, 20,182, including phthisis pulmonalis, 588; influenza, 1; enteric fever, 743; smallpox, 39; diphtheria, 4; and whooping cough, 14.

CUBA—*Havana*.—Under date of February 27, 1892, the United States sanitary inspector reports as follows :

There were 143 deaths in this city during the week ended February 25, 1892. Three of those deaths were caused by yellow fever, 2 by enteric fever, 1 by pernicious fever, 1 by paludal fever, 2 by diphtheria and croup, and 4 by the grippe.

*Santiago de Cuba*.—Two weeks ended December 31, 1891. Total deaths, 53, including 1 from phthisis pulmonalis.

FRANCE—*Nantes*.—Month of January, 1892. Population, 127,482. Total deaths, 311, including typhus fever, 5; enteric fever, 20; and diphtheria, 2.

*Nice*.—Month of January, 1892. Population, 97,720. Total deaths, 269, including phthisis pulmonalis, 14; enteric fever, 4; and diphtheria, 1.

GREAT BRITAIN—*England and Wales*.—The deaths registered in 28 great towns of England and Wales during the week ended February 20 corresponded to an annual rate of 21.1 a thousand of the aggregate population, which is estimated at 10,185,736. The lowest rate was recorded in Derby, viz, 13.0, and the highest in Preston, viz, 28.2 thousand.

*London.*—One thousand six hundred and ninety-three deaths were registered during the week, including measles, 47; scarlet fever, 11; diphtheria, 15; whooping cough, 100; typhus fever, 2; enteric fever, 2; and diarrhœa and dysentery, 19. The deaths from all causes corresponded to an annual rate of 20.7 a thousand. Diseases of the respiratory organs caused 450 deaths. In greater London 2,173 deaths were registered, corresponding to an annual rate of 19.7 a thousand of the population. In the "outer ring" the deaths included diphtheria, 8; measles, 7; and whooping cough, 24.

*Ireland.*—The average annual death rate represented by the deaths registered during the week ended February 20, in the 16 principal town districts of Ireland, was 31.6 a thousand of the population. The lowest rate was recorded in Galway, viz, 11.3, and the highest in Waterford, viz, 42.5 a thousand. In Dublin and suburbs 251 deaths were registered, including enteric fever, 1; scarlet fever, 2; influenza, 17; measles, 3; and whooping cough, 6.

*Scotland.*—The deaths registered in 8 principal towns during the week ended February 20 corresponded to an annual rate of 20.1 a thousand of the population, which is estimated at 1,338,314. The lowest mortality was recorded in Paisley, viz, 16.8, and the highest in Greenock, viz, 23.1 a thousand. The aggregate number of deaths registered from all causes was 559, including measles, 9; scarlet fever, 7; diphtheria, 8; whooping cough, 15; fever, 10; and diarrhœa, 13.

INDIA—*Calcutta—Cholera.*—Under date of February 2, 1892, the United States vice-consul-general reports 45 deaths from cholera during the three weeks ended January 16, 1892.

*Singapore.*—Month of December, 1891. Total deaths, 484, including 163 deaths from "fevers."

ITALY—*Milan.*—Month of December, 1891. Population, 413,769. Total deaths, 1,307, including enteric fever 28 and diphtheria 33.

TURKEY IN ASIA—*Syria—Cholera.*—Under the dates of February 3 and 10, 1892, the United States consul reports as follows: "Week ended February 3, six new cases of cholera and 5 deaths. Week ended February 10, no new cases and no deaths."

WEST INDIES—*Turk's Islands.*—Three weeks ended February 10, 1892. Population, 4,744. Total deaths, 15. No deaths from contagious disease.



MORTALITY TABLE, FOREIGN CITIES.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—								
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
London.....	Feb. 13.....	5,752,204	2,554					3	18	23	36	
Paris.....	Feb. 13.....	2,424,705	1,146					11	28	11	2	
Vienna.....	Jan. 30.....	1,378,530	840			1		3	5	31	13	2
Calcutta.....	Jan. 2.....	681,560	507	14								
Calcutta.....	Jan. 9.....	681,560	456	10								
Calcutta.....	Jan. 16.....	681,560	434	10		1				1		
Glasgow.....	Feb. 13.....	669,143	273			1		2	2	1		
Hamburg.....	Feb. 6.....	570,534	290					8	2	3		
Liverpool.....	Feb. 13.....	517,951	237					1	1			
Brussels.....	Jan. 30.....	482,158	273			1		5	1			
Brussels.....	Feb. 6.....	482,158	278			1		3	3			
Brussels.....	Feb. 13.....	482,158	226					3	1			
Warsaw.....	Feb. 6.....	465,272	224			3		5	1	6	7	
Rome.....	Jan. 2.....	436,179	248					2	2	1		
Rome.....	Jan. 9.....	436,179	253					3	3	5	1	
Lyons.....	Feb. 13.....	430,000	225					1	1	11		
Munich.....	Feb. 6.....	366,000	221							3		
Copenhagen.....	Feb. 13.....	326,000	145							4		
Cologne.....	Feb. 20.....	291,461	160							9	4	3
Dresden.....	Feb. 6.....	286,000	128							9		
Barcelona.....	Feb. 19.....	272,000	228					10		11		
Barcelona.....	Feb. 26.....	272,000	219			7		5		7		
Edinburgh.....	Feb. 13.....	264,787	77			10						
Palermo.....	Feb. 13.....	250,000	147					2				
Antwerp.....	Feb. 13.....	241,263	99							4		
Antwerp.....	Feb. 20.....	241,263	116					2		2		
Bristol.....	Feb. 20.....	223,392	95									
Rotterdam.....	Feb. 20.....	201,858	119					1				
Hanover.....	Feb. 13.....	185,200	66							1		
Prague.....	Feb. 13.....	182,887	157					4		4		
Genoa.....	Feb. 13.....	181,333	117								2	
Genoa.....	Feb. 20.....	181,333	118			2	1		1	2		
Frankfort-on-the-Main.....	Feb. 13.....	180,000	73							3		
Venice.....	Feb. 6.....	161,130	123							2		
Venice.....	Feb. 13.....	161,130	118						2	3		
Trieste.....	Feb. 13.....	158,054	110					1	2	4		
Ghent.....	Feb. 13.....	150,208	64							2		
Nuremberg.....	Feb. 6.....	149,507	92							1	3	
Funchal.....	Feb. 13.....	133,250	22									
Bremen.....	Feb. 13.....	125,600	60							2		
Stettin.....	Feb. 13.....	116,500	48					1		1		
Havre.....	Feb. 13.....	116,369	64						1	1	2	
Havre.....	Feb. 20.....	116,369	67					1		1		2
Catania.....	Feb. 21.....	111,000	57					1	1	3		
Crefeld.....	Feb. 18.....	108,000	77							2		
Aix-la-Chapelle.....	Feb. 14.....	106,290	52									
Gothenburg.....	Feb. 13.....	105,800	37									
Rheims.....	Feb. 13.....	105,408	70			1					7	
Leghorn.....	Feb. 14.....	103,395	53									
Leghorn.....	Feb. 21.....	103,395	61									
Zurich.....	Feb. 17.....	91,323	36					1		5	11	2
Mannheim.....	Feb. 13.....	80,000	38							1		
Mayence.....	Feb. 13.....	72,281	30								4	
Leith.....	Feb. 13.....	69,956	23									
Merida.....	Feb. 8.....	46,374	37									
Merida.....	Feb. 15.....	46,374	38									
Guayaquil.....	Feb. 7.....	44,000	62		14			14				
Trapani.....	Feb. 13.....	43,095	16									
Marsala.....	Feb. 13.....	40,131	18									
Matanzas.....	Feb. 24.....	40,000	19									
Gibraltar.....	Feb. 14.....	25,755	9									
Schiedam.....	Feb. 20.....	25,437	9									
Vera Cruz.....	Feb. 19.....	25,000	4					3				
Vera Cruz.....	Feb. 26.....	25,000	7									
Girgenti.....	Feb. 23.....	23,547	7					1				
Licata.....	Feb. 13.....	20,000	12									
Kingston Can.....	Feb. 26.....	19,264	9									
Sagua la Grande.....	Feb. 20.....	18,109	7									
Antigua, W. I.....	Jan. 2.....	16,664	13									
Antigua, W. I.....	Jan. 9.....	16,664	17									
Antigua, W. I.....	Jan. 16.....	16,664	15									
Antigua, W. I.....	Jan. 23.....	16,664	14									

MORTALITY TABLE, FOREIGN CITIES—Continued.

Cities.	Week ended.	Estimated popula- tion.	Total deaths from all causes.	Deaths from—								
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Flushing .....	Feb. 20.....	14,000	6									
Matamoras.....	Feb. 19.....	12,000	2									
Matamoras.....	Feb. 26.....	12,000	4									
Sonneberg .....	Feb. 13.....	12,000	6							1		
Guelph .....	Feb. 27.....	10,539	3									
Queenstown.....	Feb. 20.....	10,340	4									
Queenstown.....	Feb. 27.....	10,340	4									
Tuxpan.....	Feb. 13.....	10,280	4									
Tampico, Mex.....	Feb. 21.....	8,048	8									
Sarnia.....	Feb. 27.....	6,600	2									
Punta Arenas.....	Feb. 6.....	2,000	2									

OFFICIAL :

WALTER WYMAN,

*Supervising Surgeon-General Marine Hospital Service.*