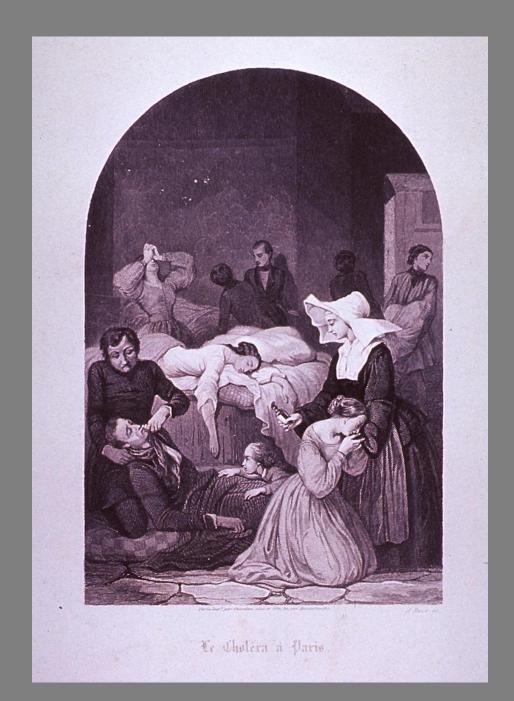
The Great Cholera of 1873: Nashville, TN



Cholera—what is it?

- Vibrio cholerae background
- Difference between a pandemic and an epidemic
- Cholera pandemics over time
- Severity of Nashville's 1873 outbreak

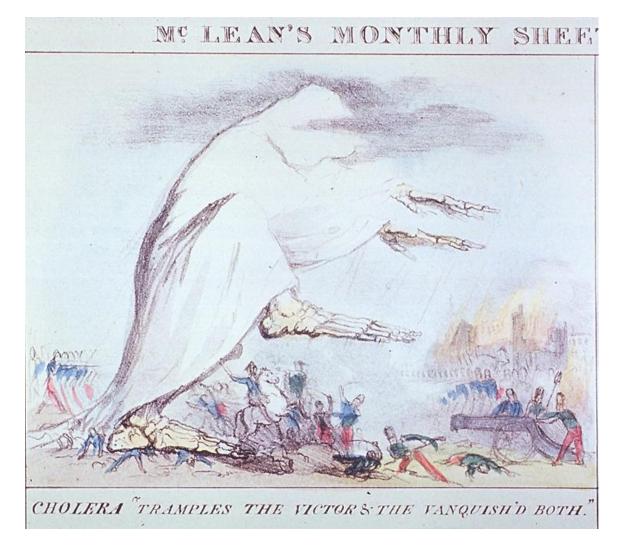
History of Cholera Pandemics

- 1st 1816—1826 Began in Bengal; ~15 million
- 2nd 1829—1851 Europe + US; ~150,000 US dead
- 3rd 1852—1860 Russia; ~1,000,000 deaths at least
- 4th 1863—1875 Europe + Africa mostly; 30,000/90,000 Mecca pilgrims died
- 5th 1881—1896 Worldwide in general; ~900,000 deaths
- 6th 1899—1923 Russia + India; 1,300,000 died
- 7th 1961—1970* Indonesia, then India, Bangladesh, and Russia
- 8th 1991-2002^{**} Marshall Islands, South Pacific

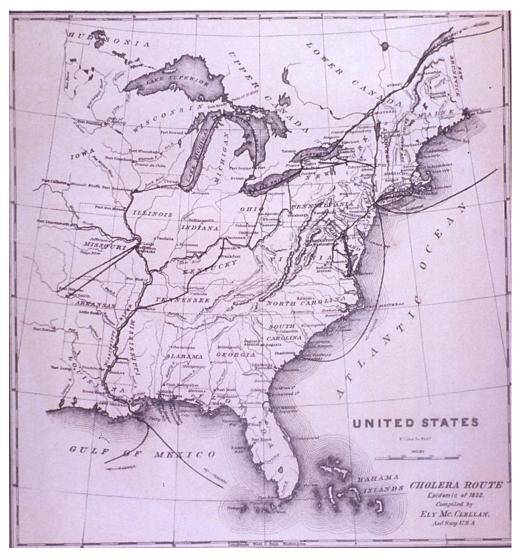
*There's some debate as to whether this one's still on-going.

** There's also debate as to whether this one counts as a pandemic.

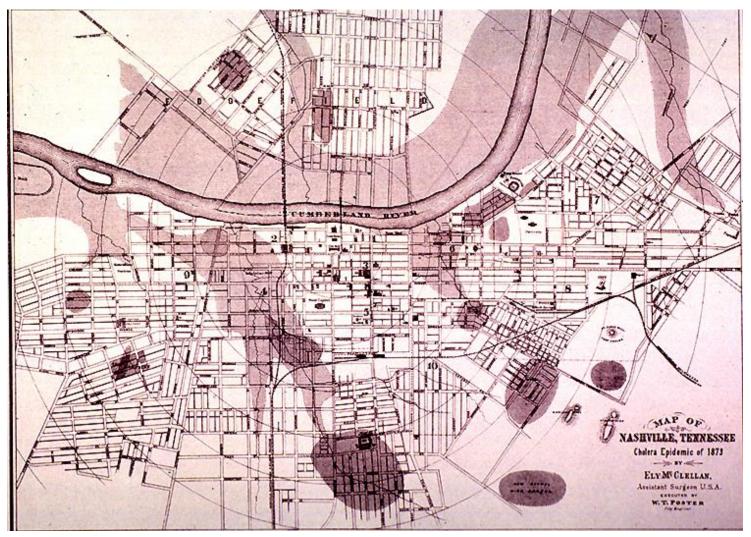
Cholera was seen as inevitable and unstoppable for many years.



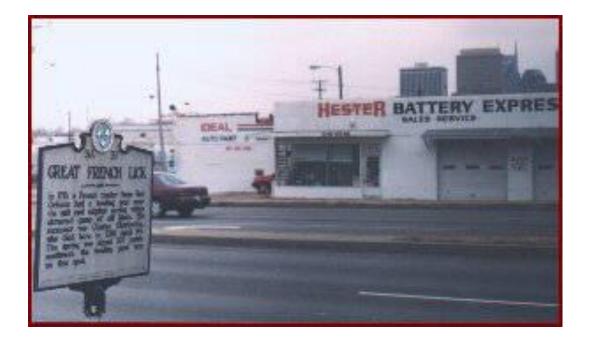
Cholera routes in the US in the 1800s



Spread of cholera in Nashville, 1873

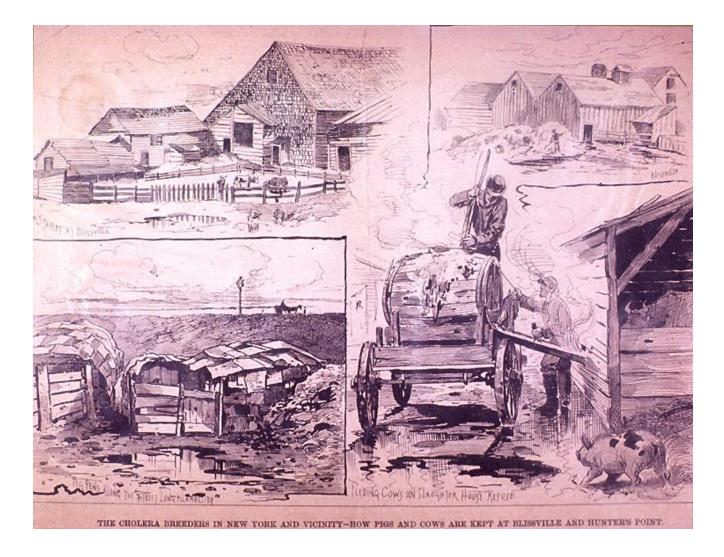


Great French Lick spring was a focal point of infection in Nashville.



Located at 5th Ave and Jefferson St. intersection, this is where many victims became infected with cholera.

Cholera was linked with dirty water by the 1800s... public health message: clean up!



Cholera "Cures" Abounded



Of course, protection against cholera was imperative.

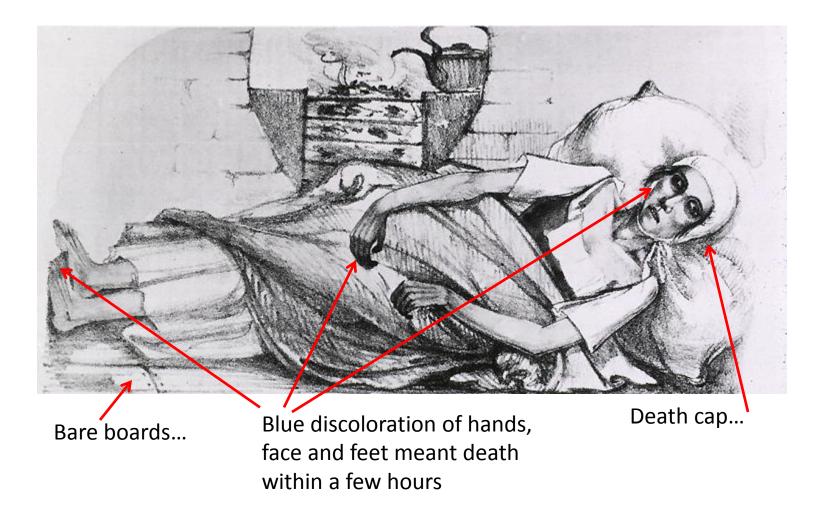


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Newspapers in Cairo, IL showed how "NOT" to get cholera...



The "blue phase" of cholera, just before death.



Severe Dehydration Led to Death



Pencil sketches made by physicians during a cholera outbreak in the US in the mid-1850s.

Galloway Memorial Hospital Nashville TN—Cholera hospital for many years



Located at 875 2nd Ave S Nashville, TN 37210, now the home of the Davidson Co. Election Commission...

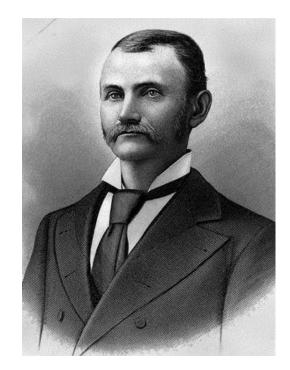
Galloway Hospital in 2010



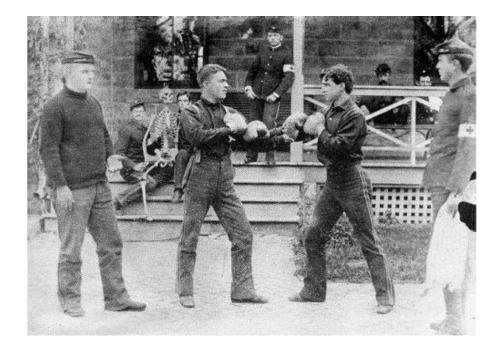
Physicians in the Cholera Outbreak of 1873—Many in the Mid-South!

Mortimer Jordan

 (1844-1889) was a noted physician who led the fight against the Birmingham cholera outbreak of 1873. He attended the University of Alabama and served in the Confederate Army during the Civil War before settling into medical practice in Birmingham.



The Army Medical Corps helped during the outbreaks in the US...

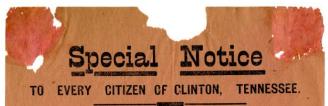


Note who's in the audience...

Sulphur cures everything, right?



Clinton, TN City Health Officer sent out official notice: clean your privies!



The cholera, which has been rageing for the past few weeks, rageing to an alarming extent throughout Europe, has at last crossed the Atlantic ocean and is now on the coasts of America, and will, in all probability, within the next 30 days, penetrate far into the interior of our country. It therefore becomes our duty to at once prepare to face this grim destroyer of human life should it visit our town.

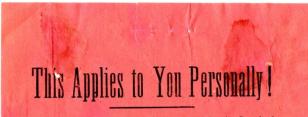
You are hereby given official notice to at once clean out and thoroughly disinfect all privies and premises; useing freely boiling water together with lime, caffeas, carbolic acid or Plattschloride in sufficient quanities to destroy all foul odors, and to burn all piles of garbage or decaying vegtable matter and to keep thoroughly clean the street in front of your residence or place of business, keeping your premises at all times free from any and everything that causes foul odors which aid in the developement and spread of infectious or contagious diseases.

The proper sanitary officer will visit you within five days from the date of this notice and if you have in any way failed to comply with the requirements of the same he will immediately have such cleaning up as is necessary done and the cost of the same will be charged to you and collected by the city authorities.

Very Respectfully, S. B. HALL M. D., City Health Officer.

September 1, 1892.

This Applies to YOU! Knoxville notification poster, 1892



In accordance with a resolution passed by the Board of Health, looking to the comfort and health of all our citizens, and recognizing the importance of prompt attention to the advice of these gentlemen, who have the welfare of our people at heart, you are **Hereby Requested** and **Directed** to use continuously one of the disinfectants given below:

1st. 2 Lbs. Chloride Lime dissolved in 8 Gallons water. 2d. One ounce each Corrosive Sublimate and Permanganate of Potash in 4 Gallons water.

OR EITHER OF THE FOLLOWING:

2 Lbs. Chloride Lime, 2 Lbs. Copperas, in 4 gallons water; 2 Lbs. Carbolic Acid, 1 Peck Lime.

The ordinances of the City make it a misdemeanor for persons to allow their premises to become offensive under a penalty of \$25.00. You are urged to make an examination of your premises **at least once a week** and apply one of the disinfectants named above.

The Sanitary Officers will begin a rigid inspection on August 1st, and all persons found in violation of the Sanitary Laws of the City will incur the penalty.

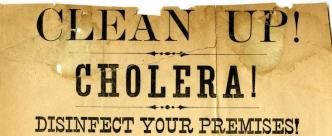
By order of the Board of Public Works.

JOHN GLEASON,

Chairman.

Knoxville, Tenn., July 25, 1892.

Trenton, TN 1892 Clean Up Notice



The Sanitary Inspector, Mr. J. S. Scott, will visit and Examine Closely all Houses and Premises in the City once Each Week During the Prevalence of Cholera, Unless Ordered Otherwise by the City Board of Health!

At a meeting of the Board of Health of the City of Trenton this day held, Mr. J. S. Scott was elected Sanitary Inspector and will at once enter upon his duties. He is required to visit and inspect every house and lot in the city, especially noting carefully the condition of all privies and hog-pens within the city limits. When any place is found not in a good sanitary condition, notice will be given to clean up. At the end of 24 hours Mr. Scott will return, and if his notice has not been conplied with the party or parties failing or refusing to carry out such sanitary instructions will be at once taken before the City Recorder and charged with maintaining a nuisance—the fine for which is not less than \$2.50 for each 24 hours said nuisance is allowed to remain. Hog-pens in a filthy condition and privies with vaults are hereby especially declared nuisances and must at once be abated.

Mr. Scott is hereby ordered by the City Board of Health to note in a book to be kept for that purpose the sanitary condition of every place in the city limits. Such book will be filed with the papers of the Board of Health.

Trenton, Tenn., Sept. 2nd, 1892.

G. R. McGEE, President. T. J. HAPPEL, M. D., Sec. City Board of Health.