

University of Toronto, Department of Public Health Sciences
CHL 7001H Urban Epidemics: Past and Present

Faculty: Anne-Emanuelle Birn
Associate Professor and Canada Research Chair in International Health
ae.birn@utoronto.ca

Time: Fridays 10 am - 12 pm, Winter 2005 plus 2 Mondays: 28 Feb & 28 March
Place: 150 College St., Room 129

Office Hours: Fridays 12:15-1:30pm. McMurrich Bldng, Room 109C

Class Size: Cap of 20 students

Summary

Polio. Plague. Pox. How and why have such epidemics emerged in urban settings and how has the city shaped these diseases? This graduate seminar will use historical, sociological, journalistic, epidemiological, documentary film, and literary sources to explore urban disease outbreaks and human responses from ancient to modern times, in cities throughout the world. By examining cases such as plague in Florence and Hong Kong, yellow fever in Charleston and Veracruz, smallpox in Rio de Janeiro and Bombay, AIDS in New York and Kampala, SARS in Toronto and Beijing, and air pollution in Barcelona and Mexico City, we will seek to understand the role of urban ecological factors in the emergence of disease, the cultural politics of blame and responsibility, and the nature of social, scientific, and civic authority responses to urban epidemics.

Objectives

1. To become familiar with a sample of recent and classic scholarship on epidemics in the urban context.
2. To increase the ability to think critically about disease outbreaks in urban settings through scientific, political, and cultural lenses.
3. To develop the ability to view contemporary epidemics in historical perspective.
4. To develop skills in oral discussion and debate and in research and writing skills.

Assignments

- 1) Each week one or more students will be charged with commenting on the readings (up to 10 minutes), raising questions, and leading discussion. Please prepare a 1-page handout to accompany the discussion.
- 2) Write a 10-page (typed, double-spaced, standard margins) short story (science fiction or historical fantasy) in which you invent an imaginary urban epidemic and build a narrative that captures the human experience and public health challenges of the epidemic. Make sure that your story includes discussion of: a) the disease and its mode of transmission (however this is understood in your story's era); and b) the city as a key player. **Due 4 February 2005.**
- 3) Pick an actual urban epidemic in any city of the world at any time in the present or past and prepare a 15-page (typed, double-spaced, standard margins) background paper for a documentary film you are proposing to the CBC. Use newspapers, medical journals, and other available sources to reconstruct "all sides" of the story. . A more detailed description of the assignment will be distributed in class.

Outline and Annotated Bibliography due 28 February 2005.

Paper Presentations (using powerpoint) to be scheduled for last month of class.

Optional Draft (ungraded) due 24 March 2005.

Final Paper due last day of class.

Grading

Class participation	10%
Leading Class Discussion	5%
Short story	20%
Outline and Annotated Bibliography	15%
Paper presentation	15%
Final paper	35%

Assignments handed in after the due date will be penalized.

Readings

All students are expected to do the required reading before each class session.

Please read Albert Camus, The Plague (any edition) over the Christmas holidays (can be purchased new or used in almost any bookstore). You may also wish to purchase D. Wallace and R. Wallace. A Plague on your Houses. How New York was Burned Down and National Public Health Crumbled Verso, 1998.

Starting December 8, 2004, the readings will be available to photocopy in the short-term loan section of Gerstein library. Many of the journal articles are also available through U of T Library e-journals (on-line access), as indicated on the syllabus by this symbol: ++.

Class Sessions

7 January 2005

Introduction: Epidemics in the Urban Setting

Rosenberg, Charles E. Explaining Epidemics and other studies in the history of medicine. Cambridge University Press, 1992.

Chapter 13. What is an epidemic? AIDS in historical perspective. pp.278-292

Chapter 14. Explaining epidemics. pp. 293-304.

Fitzpatrick, Kevin and Mark LaGory. Unhealthy Places. The ecology of risk in the urban landscape. Routledge, NY. 2000

Chapter 3. The ecology of everyday urban life. pp. 47-81

Recommended:

++Hippocrates. On Airs, Waters and Places, (any edition) passim.

Birn, Anne-Emanuelle “Six Seconds Per Eyelid: The Medical Inspection of Immigrants at Ellis Island, 1892-1914.” Dynamis, 1997, 17:281-316.

14 January

Plague and (Early) Modernization

Boccaccio. The Decameron. Penguin Classic edition , First Day, Introduction.

Camus, Albert. The Plague (any edition) Read during New Year’s break.

Slack, Paul. “Responses to plague in early modern Europe: The implications of public health” in Arien Mack, ed. In Time of Plague: The history and social consequences of lethal epidemic disease. NYU Press, 1991 pp.111-131.

Champion, Justin. “Epidemics and the Built Environment in 1665,” in: Epidemic Disease in London Working paper series No. 1(University of London Centre for Metropolitan History, 1994), pp. 35-52.

Risse, Guenter. “Bubonic plague, bacteriology and anti-Asian racism in San Francisco, 1900” in: John Harley Warner and Janet A. Tighe. Major problems in the history of American medicine and public health. 2001, pp. 268-274.

Sutphen, Molly Preston. “Rumored power: Hong Kong, 1894 and Cape Town, 1901” In Western Medicine as Contested Knowledge. Eds. A.Cunningham and B. Andrews. Manchester Univ. Press, pp. 241-261

Recommended:

++Daniel Defoe. "Journal of the the Plague Year" (London 1665) (any edition)

http://www.mastertexts.com/Defoe_Daniel/A_Journal_of_the_Plague_Year/Index.htm

Film: “Epidemics, products of progress”

21 January The Unsanitary City: Cholera and Typhoid

Evans, Richard. "Epidemics and revolutions: cholera in nineteenth century Europe" pp. 149- 173. In: Ranger, T and P. Slack. Epidemics and Ideas: Essays on the historical perception of pestilence. Cambridge Univ. Press, 1992.

Gallagher, Nancy. Egypt's Other Wars. Epidemics and the politics of public health. Syracuse Univ. Press, 1990
Chapter 7: Cholera goes out of control. pp. 116-139
Chapter 8: The British Connection. pp. 140- 159

Cueto, Marcos. "Stigma and Blame during an Epidemic: Cholera in Peru, 1991" in Disease in the History of Modern Latin America: From Malaria to AIDS, edited by Diego Armus, Duke University Press, 2003, pp. 269-289.

Walzer Leavitt, Judith. Typhoid Mary. Captive to the Public's Health. Beacon Press, Boston 1996. Chapter 1. pp. 14-38.

Wing, Frank. "Thirty-five Years of Typhoid. The Economic Cost to Pittsburgh and the Long Fight for Pure Water." In Underwood K, Paul. The Pittsburgh district: civic frontage. NY Arno Press, 1974, pp. 63-86.

Recommended:

++Atkinson, Logan. "The Impact of Cholera on the Design and Implementation of Toronto's First Municipal By-laws, 1834," Urban History Review, 2002, 30(12).

Rosenberg, Charles. The Cholera Years The United States in 1832, 1849, and 1866 (Chicago: University of Chicago Press, 1962) or revised edition.

Film: "Typhoid Mary: the Most Dangerous Woman in America"

28 January Urban Medicine in the "Tropics": Yellow Fever and Smallpox

++ Knaut, Andrew L. "Yellow fever and the late colonial public health response in the port of Veracruz," Hispanic American Historical Review 1997, 77: 619-644.

Eckert, Jack. "Every prospect of a healthy summer : the 1839 outbreak of yellow fever in Charleston, South Carolina" Transactions & Studies of the College of Physicians of Philadelphia 5. ser., v. 14 (1992) p. 167-175.

Needell, J. "The revolta contra la vacina of 1904: the revolt against 'modernization' in Belle-Epoque Rio de Janeiro." Riots in the Cities. Ed. S. Arrom and S. Ortoll. SR Books, 1996, pp.155-193.

Banthia, J. and T. Dyson. "Smallpox and the impact of vaccination among the Parsees of Bombay," Indian Economic and Social History Review 2000, (27)1: 27-51.

Recommended by way of contrast:

Bliss, Michael. Plague: A Story of Smallpox in Montreal. HarperCollins, 1991.

4 February Public Health and Morality: Syphilis in the City
****Short Story Due****

Guy, Donna. "Venereal disease, public health and criminality," in Sex and Danger in Buenos Aires. Prostitution, family and nation in Argentina. University of Nebraska Press, 1990. pp. 77- 109.

Fee, Elizabeth. "Sin versus science: venereal disease in twentieth-century Baltimore." in AIDS: The burdens of history. University of California Press, 1988, pp. 121-46.

Lederer, Susan E. and John Parascandola. "Screening Syphilis: Hollywood, the public health service and the fight against venereal disease." in John Harley Warner and Janet A. Tighe. Major problems in the history of American medicine and public health. 2001, pp. 444-450.

11 February AIDS and the New World Order

Anderson, W. "The New York needle trial: the politics of public health in the age of AIDS" AIDS and contemporary history, eds. V. Berridge and P. Strong. Cambridge Univ. Press, 1993 pp. 157-181.

McGratha, Janet, Charles B. Rwabukwalib, et.al. "Anthropology and AIDS: The cultural context of sexual risk behavior among urban Baganda women in Kampala, Uganda" Social Science & Medicine 1993, Vol. 36 (4): 429-439.

Duffin, J. "AIDS, memory and the history of medicine: musings on the Canadian response." Genitourinary Medicine 1994, 70(1):64-9.

Film: "Welcome to the new world order: AIDS in Vietnam"

18 February NO CLASS-Reading week

28 February
!!Monday!!

Public Health, Prosperity, and Polio
****Outline and Annotated Bibliography due****

Rogers, Naomi. "A disease of cleanliness: polio in New York City, 1900-1990." pp. 115 -130. In: David Rosner, ed., Hives of Sickness: Public Health and Epidemics in New York City, New Brunswick, NJ: Rutgers University Press, 1995.

++Christopher J. Ruddy. "The Middle Class Plague: Epidemic Polio and the Canadian State, 1936-1937," Canadian Bulletin of Medical History, 1996, 13 (2): 277-314.

Film: "Conquering the Crippler: History of Polio in Canada"

4 March **Persistent Poverty and the Surging and Resurging of Tuberculosis**
Student Presentations

Hays, J. N. The burdens of disease. Epidemics and human response in Western history. Rutgers Univ. Press, 1998. Chapter 8. Tuberculosis and Poverty. pp.154- 177.

++Paluzzi, Joan E. "A Social Disease/A Social Response: Lessons in Tuberculosis from Early 20th Century Chile" Social Science and Medicine 2004, 59:763-773.

Farmer, Paul. "A Plague on All Our Houses?: Resurgent Tuberculosis inside Russia's Prisons." In Pathologies of Power: Health, Human Rights and the New War on the Poor University of California Press, 2003, pp. 115-133.

Recommended:

++Amrith, Sunil. "In Search of a 'Magic Bullet' for Tuberculosis: South India and Beyond, 1955-1965" Social History of Medicine, 2004, 17(1):113-130.

Gale, Godfrey L. The Changing Years: The Story of Toronto Hospital and the Fight Against Tuberculosis. Toronto: University of Toronto Press, 1979.

11 March **Respiratory Globalization, Part I: Influenza**
Student Presentations

Crosby, Alfred W. America's Forgotten Pandemic. The influenza of 1918. Cambridge Univ. Press, 1989.

Chapter 2. The advance of the influenza virus. pp. 17- 36

Chapter 3. Three explosions Africa, Europe and America. pp. 37-41

Killingray, David. "The influenza pandemic of 1918-1919 in the British Caribbean" Social History of Medicine: 1994 7 (1) pp. 59- 87.

Film: "Influenza 1918"

18 March Respiratory Globalization, Part II: SARS
**** Optional Draft Due 24 March in Prof. Birn's mailbox by 5pm****
Student Presentations

- ++Farmer, Paul. "SARS and Inequality" The Nation, May 26, 2003.
- ++Toronto – U.S. Large Urban Areas: SARS Conference Call Summary Notes, June 26, 2003.
- ++"SARS Death Rate Doubles In Polluted Cities," Science Daily 20 November 2003.
- ++Gostin, Lawrence et al. "Ethical and Legal Challenges Posed by Severe Acute Respiratory Syndrome: Implications for the Control of Severe Infectious Disease Threats" Journal of the American Medical Association 2003, 290:3229-3237.
- ++Schabas, Richard. "Severe acute respiratory syndrome: Did quarantine help?" The Canadian Journal of Infectious Diseases and Medical Microbiology, 2004, 15, 4.
- ++"Renewal of Public Health in Canada" *A report of the National Advisory Committee on SARS and Public Health October 2003, **passim***
Available at: <http://www.hc-sc.gc.ca/english/protection/warnings/sars/learning/index.htm>
- Also peruse website: http://www.sarssickness.com/sars_history.htm

28 March Respiratory Globalization, Part III: Asthma and Air Pollution
!!Monday!! Student Presentations

- Anto JM, Sunyer J. "A point-source asthma outbreak." Lancet 1986 Apr 19, 1(8486): 900-3.
- Page Snyder, Lynne. "The death-dealing smog over Donora, Pennsylvania: Industrial air pollution, public health policy and the politics of expertise, 1948 – 1949" Environmental History Review, Spring 1994. pp. 117-139
- ++ Guest editorials by Devra Davis et al. and David Bates in Environmental Health Perspectives December 2002, 110(12):A734-5.
- Peruse *Series on pollution in Mexico City*:
- "Ill economy, ill weather, now ill health." New York Times, June 16, 1983.
- "The city that can't fix the air." New York Times, Feb 4, 1996.
- "Mexico City's air, A fatal case of fatalism." New York Times, Feb 14, 1999.
- "Mexico City losing gains in air quality, more and more cars put city in a pollution jam." Chicago Tribune, Jul 5, 2001.
- "The Americas: the right to drive or the right to breathe? Air pollution in Latin America." The Economist, Mar 9, 2002.

**1 April Urban Flames: Fire and Heat Waves
Student Presentations**

Wallace, D. and R. Wallace. A Plague on your Houses. How New York was Burned Down and National Public Health Crumbled. Verso, 1998, Introduction, passim.

Klinenberg, Eric. Heat Wave. A social autopsy of disaster in Chicago. Chicago Univ. Press, 2002, pp. 1-78.

OR

Gladwell, Malcolm. "Political heat. The great Chicago heat wave, and other unnatural Disasters," The New Yorker, August 12, 2002. pp. 76- 80.

Final Evening Session: Date/place to be decided (Week of 4 April)

**A Better Future? The Healthy Cities Movement
** Final paper due****

++Hancock, Trevor. "Healthy cities and communities: past, present and future," National Civic Review Vol. 86, no. 1 (1997), p. 11-21.

++Rosenberg, Charles E. "Pathologies of progress : the idea of civilization as risk," Bulletin of the History of Medicine Vol. 72, no. 4 (Winter 1998) p. 714-730.