**Module 2: History of Modern Medicine**

* Understand what caused greater life span and greater health
* Understand important [events in the history of medicine](http://www.localhistories.org/medicine.html)
  1. Pre-historic
  2. Ancient Civilizations
     1. Egyptians
     2. Greeks
     3. Romans
  3. Middle Ages
  4. 16th Century
  5. 17th Century
  6. 18th Century
  7. 19th Century
  8. 20th century
* Understanding important [figures in the history of modern medicine](http://www.medicalnewstoday.com/info/medicine/modern-medicine.php) = Main

1. Hippocrates
2. Aristotle
3. Leonardo Da Vinci
4. Anton van Leeuwenhoek
5. [Louis Pasteur](http://www.biography.com/people/louis-pasteur-9434402)
6. [James D. Watson](http://www.biography.com/people/james-d-watson-9525139), Francis Crick, and Rosalind Franklin
7. [Charles H. Best](http://www.biography.com/people/charles-h-best-40596)
8. [Virginia Apgar](http://www.biography.com/people/virginia-apgar-9186891)
9. [Norman Shumway](http://www.biography.com/people/norman-shumway-9482904)
10. [Robert Koch](http://www.biography.com/people/robert-koch-9367370)
11. Marie Curie

**Additional Figures (not required to know but still important)**

1. Crawford W. Long
2. [Florence Nightingale](http://www.history.com/topics/ether-and-chloroform/videos/florence-nightingale-fast-facts)
3. Clara Barton
4. [Joseph Lister](http://www.biography.com/people/joseph-lister-37032)
5. Wilhelm Conrad Röntgen
6. [Alexander Fleming](http://www.biography.com/people/alexander-fleming-9296894)
7. [Jonas Salk](http://www.biography.com/people/jonas-salk-9470147)
8. [Daniel Hale Williams](http://www.biography.com/people/daniel-hale-williams-9532269)
9. [Edward Jenner](http://www.biography.com/people/edward-jenner-9353941)
10. [Frederick Grant Banting](http://www.biography.com/people/frederick-grant-banting-9198112)
11. [Charles Drew](http://www.biography.com/people/charles-drew-9279094)

* Understand [Diseases that significantly altered medical history](http://health.usnews.com/health-news/articles/2008/01/03/12-diseases-that-altered-history)

1. Smallpox
2. Tuberculosis
3. Syphilis
4. HIV/AIDS
5. Influenza
6. Bubonic plague
7. [Cholera](http://www.history.com/topics/ether-and-chloroform/videos/cholera-outbreak)
8. Malaria
9. Yellow fever
10. Hemophilia and porphyria
11. Potato blight
12. [Spanish flu](http://www.theguardian.com/world/2009/jul/12/flu-pandemic-economic-impact)

* **Miscellaneous concepts**

1. Code of Hammurabi
2. Tuskegee Syphilis experiment
3. Hippocratic Oath
4. Role of medical care prior to modern medicine
5. Differentiate between allopathic and homeopathic
6. Understand that economic growth has determined the shape of health care
7. Understand the growth of medical science and technology
8. Understand the role of clinics in modern medicine
9. Understand how data has helped in modern medicine

**Book**

* Chapter 15

**PowerPoint**

* Mod 2

**Additional readings**

* [The evolution of modern medicine by William Osler](http://biotech.law.lsu.edu/Books/osler/modern_medicine.htm)
* [Brief history of modern medicine](http://www.medicinekillsmillions.com/articles/history-of-medicine-medical-progress.html)
* Eyewitness to history: [Getting Sick, 1774](http://www.eyewitnesstohistory.com/gettingsick1774.htm)
* Eyewitness to history: [Irish Famine](http://www.eyewitnesstohistory.com/irishfamine.htm)
* Eyewitness to history: [Yellow Fever attacks Philadelphia, 1793](http://www.eyewitnesstohistory.com/yellowfever.htm)
* Eyewitness to History: [The Black Death, 1348](http://www.eyewitnesstohistory.com/plague.htm)
* Kilgour, Frederick (1962). Modern Medicine in Historical Perspective. *Bull Med Libr Assoc*, 50(1), 42-56.
* Why are you not dead yet?

**Videos:**

* Films on demand: [Looking ahead: Advancements in modern medicine](http://ezproxy.clayton.edu:2541/p_Collection.aspx?seriesID=11440)
* Films on demand: [Future of modern medicine](http://ezproxy.clayton.edu:2541/p_ViewVideo.aspx?xtid=55004&loid=250364&tScript=0)
* Films on demand: [Traditional heaving vs. modern medicine](http://ezproxy.clayton.edu:2541/p_ViewVideo.aspx?xtid=29446&loid=28141&tScript=0)
* Films on demand: [Medicine: Ancient discoveries](http://ezproxy.clayton.edu:2048/login?url=http://fod.infobase.com/PortalPlaylists.aspx?wID=95694&xtid=55091)
* Films on demand: [Spirit doctors](http://ezproxy.clayton.edu:2541/p_ViewVideo.aspx?xtid=52040&tScript=0)
* [1918 Flu pandemic](http://www.history.com/topics/1918-flu-pandemic)
* [Ancient Egyptian Aspirin](http://www.history.com/topics/ancient-history/ancient-egypt/videos/where-did-it-come-from-ancient-egypt---modern-medicine)
* [Shaman/Witch doctors](https://www.youtube.com/watch?v=5YmsrzF4KdQ)
* [Allopathic vs. Homeopathic](https://www.youtube.com/watch?v=aI0KTRjZ37M)
* [Health care in ancient Rome](https://www.youtube.com/watch?v=5lXgG88Xx8Q)
* [Health care in Victorian era](https://www.youtube.com/watch?v=OZIMRVpKLFg)
* [Health care in Egypt](https://www.youtube.com/watch?v=xBsYrdC6cMA)
* [Facts to appreciate modern medicine](https://www.youtube.com/watch?v=ce8A0o_iClM)
* [Code of Hammurabi](https://www.youtube.com/watch?v=BsPbqmYwxso)
* [Hippocratic Oath](https://www.youtube.com/watch?v=QbU61uO3Vdw)
* [How the other half lives](https://www.youtube.com/watch?v=GHP7BirqBPQ)

**Assignments**

* [Resources](http://www.medicinethroughtime.co.uk/shp_medicine_teachers.htm)
* [Medicine through time worksheets](http://www.historyonthenet.com/lessons/worksheets/medicine.htm)
* [Science museum](http://www.sciencemuseum.org.uk/broughttolife/teachers)
* Skit