

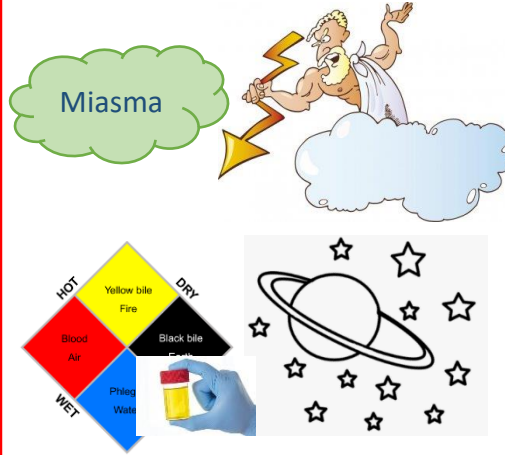
## Prevention



X – Too busy – wars!



## Beliefs about causes



## MEDIEVAL

Black Death  
1348-9



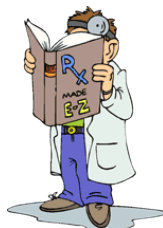
1250-1500

## Treatment



### Barber Surgeon

- No formal training
- No anaesthetic
- Observed others



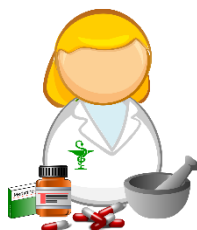
### Physicians

- Less than 100
- University trained
- Focus on Galen!



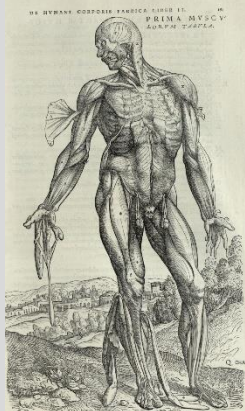
### Women

- Wives
- Mothers
- Midwives



### Apothecaries

- Mixed ingredients
- Made ointments & medicines for physicians.



V

**ANDREAS VESALIUS**

Fabric of the Human Body  
Jawbone x1



**WILLIAM HARVEY**

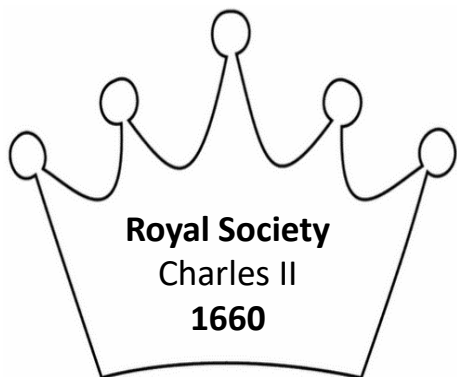
Blood not made in liver –  
pumped by heart

S



**THOMAS SYDENHAM**

English Hippocrates  
Observation



**Royal Society**  
Charles II  
1660



Johannes  
Gutenberg  
1440



## Plague 1665

### 'Causes'

- God
- Other people
- Miasma
- Astrology

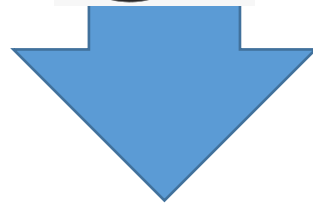


### 'Prevention'

- Fires to drive miasma
- Clean streets
- Kill cats & dogs
- Pomander



X

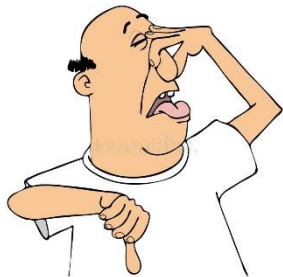


## SNOW



**Broad Street**  
1854  
**NOT miasma!**

## GREAT STINK



**1858**  
Raw sewage in The  
Thames

## INDUSTRIAL REVOLUTION



**Overcrowding**  
Poor planning  
**Disease**

## NIGHTINGALE



**Notes on Nursing**  
**Notes on Hospitals**  
**Separate wards**

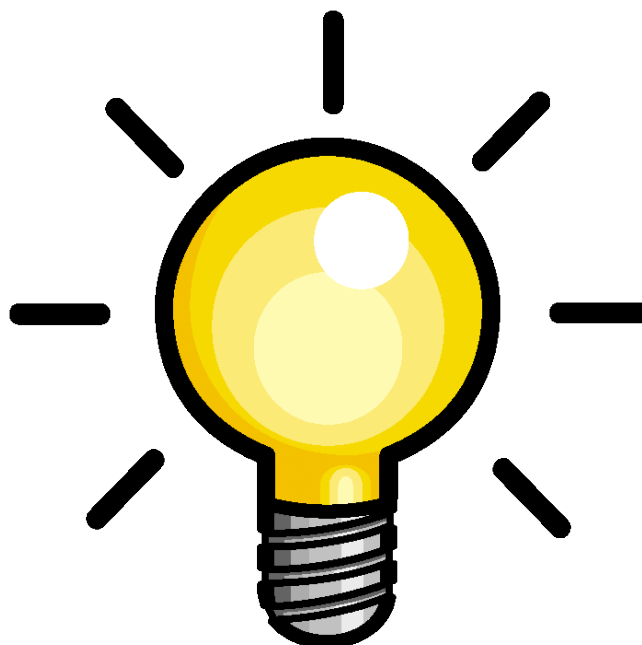
## JENNER



**Vaccination**  
Smallpox/cowpox  
**Compulsory 1872**  
100k by 1800

# Enlightenment

1700-1900



## PASTEUR



**Germ Theory 1861**  
1854  
**NOT miasma!**

## BAZALGETTE



**London's sewers**  
83 miles main sewers  
**1,100 miles of**  
**street sewers**

## KOCH



**Dye to see**  
**different microbes**  
E.g. diphtheria  
1883

## PUBLIC HEALTH ACTS

**1848**

**1875**

**Authorities:**  
Clean Water  
Rid of sewage  
Public officers

## CHLOROFORM



**James Simpson**  
Anaesthetic  
**Hannah Greener**  
Queen Victoria

## CARBOLIC SPRAY



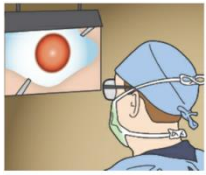
**Joseph Lister**  
Antiseptic  
Aseptic Surgery

## CHADWICK

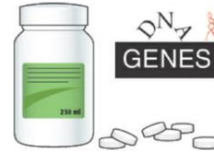
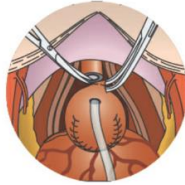
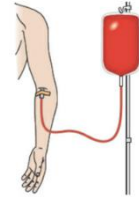


**Links ill health to**  
**poor living**  
**conditions**





## TECHNOLOGY



DNA  
GENES



## Treatments



### Antibiotics

- Penicillin
- Fleming
- Florey & Chain



Salvarsan 606

# M O D E R N

## Ideas about causes of illness



Lifestyle Factors

Teaching hospitals

NHS also controls medical training and research

1948

**NHS**

Before – 8 million had never seen a doctor

Parliament runs the National Health Service

Maternity and child welfare

Medical research

Health visiting, home nursing and after-care of sick

Hospitals

Services available to all, free at the point of delivery

Health centres

Specialists

Vaccination

Blood transfusion

Ambulances

Dentists

Family doctors

Medicines and appliances