

## LECTURE 2 – Changing health contexts and variations on typical

### Health in the 1900s compared to now

#### Birth rate

- 1901: 3.5 children per female
- Now: Less than 2

#### Maternal Mortality at birth

- 1901: 7.2%
- Now: Less than 1/1000

#### Infant mortality in the first year

- 1901: 11%
- Now: Less than 0.5%

### Common and killer problems for children

1901:

Gastroenteritis, malnourishment, pneumonia, tuberculosis

Now:

Asthma, Obesity, Diabetes, Anxiety, Accidents

#### Down syndrome

- Extra in chromosome; trisomies
- Simian crease on hand
- Short stature
- Smaller skull



#### Fragile X Syndrome

- Long face
- Flat feet
- Hypotonia
- Large Ears
- Macro orchidism in males



### **Prader – Willi Syndrome**

- Long head
- Narrow face
- Genetic obesity
- Active on paternal chromosome



### **Angelman Syndrome**

- Excessive laughter
- Smiling happy demeanour
- Stiff jerky gait
- Speech impairment
- Skin and eye hypo-pigmentation
- Deletion or mutation in Maternal chromosome



### **Williams Syndrome**

- Puffy eyes
- Small spaced teeth
- Small upturned nose



### **Achondroplasia**



### **Turner Syndrome**

- XO chromosome; only X chromosome
- Wide neck
- Only Females

### **XXY Klinefelter's Syndrome**

- Only men
- Man boobs