

# RISK

- LOSS OF LIFE EXPECTANCY (LLE)
- FATAL ACCIDENT RATE (FAR)
- INDIVIDUAL RISK PER ANNUM (IRPA)
- And more and more.....
- LLE data follows, from “Before it’s too late” by Professor Bernard Cohen (USA)

## RISK: DAYS LOSS OF LIFE EXPECTANCY (40 yr old)

Being male, not female	2800
Heart disease	2100
Being unmarried	2000
Cigarettes (1 pack per day)	1600
Coalminer	1100
Being 30 pounds overweight	900
Mining or construction work (accidents)	320
Motor vehicle accidents	200
Pneumonia & influenza	130
Alcohol	130

## RISK: DAYS LOSS OF LIFE EXPECTANCY (40 yr old)

Occupational accidents (average)	74
Small car versus standard car	50
Drowning	40
Fire & burns	27
Radiation worker	12
Diet drinks (one per day)	2
<i>100% electricity supply is nuclear (UCS)</i>	<i>1.5</i>
Hurricanes & tornadoes	1
Airline crash	1
Dam failure	0.5

# RISK: FATAL ACCIDENT RATE

ACTIVITY	FAR (deaths/10 <sup>8</sup> hrs)
Staying at home	3
Bus travel	3
Chemical industry	3.5
British industry (overall)	4
Train travel	5
Steel industry	8
Agriculture	10
<i>Typical North Sea Platform 28 (based on QRA estimates)</i>	
Fishing	35
Coal mining	40
Railway shunting	45
Car travel	57
Construction	67