



Climate Change and Health - does it matter ?

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Acting Director of Public Health Services
States of Jersey

Main Effects of Climate Change



Direct Effects of Heat



**Mortality rises above 18.6°
(3 extra deaths per year)**

Offset by 33 fewer cold deaths

& ??? Less Ca Colon, Prostate, Breast

& ??? Less Hypertension and Heart Disease

& ??? Less Multiple Sclerosis

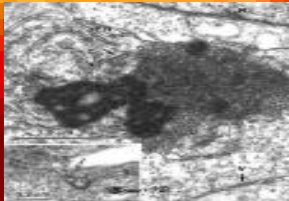
Vector Borne Diseases



Plasmodium Vivax
Plasmodium Falciparum

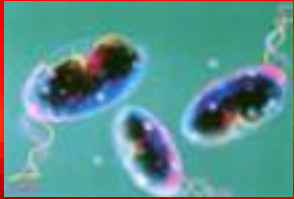


Lyme Disease
Tick Borne Encephalopathy



West Nile Fever

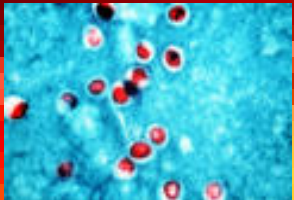
Waterborne Disease



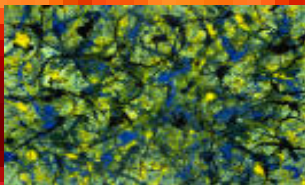
Vibrio Cholerae



Salmonella Typhimurium



Cryptosporidium



Blue-Green Algae

Increased Storminess



Injuries

Homelessness



Breakdown of Infrastructure

Ultraviolet Light



Skin Cancer -

**50 extra cases per year
by 2050**



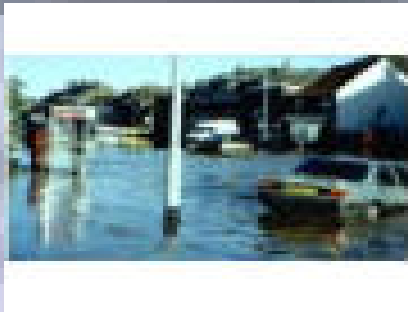
Cataract –

**3 extra cases per year
By 2050**

Raised Water Levels



Injury and Drowning



Flooding

- Hospital Site ?

Mental & Social



**Better Mood and less
Depressive Illness**



**Getting Out More
and Exercising**

Social and Financial Effects



So does this matter?

- **Health effects likely to be relatively minor**
- **Benefits may outweigh dysbenefits**
- **But still some areas to work on now**

What should be done ?

- Higher Temperatures

- Education
- Air Conditioning

- Storms

- Building Regulations
- Forecasts and Warnings
- Emergency Planning

- Water Levels

- Defences

- Moving from qualitative work to quantitative to help assess health risk