

HAZARD VS. RISK

HAZARD

is the potential to cause harm



when crossing a road,
cars are a **hazard**

RISK

is the likelihood of harm taking place



when crossing
a highway, the risk
of an accident
is **high**



when crossing
a country road the risk
of an accident
is **low**

HAZARD

in foods can be:



physical
for instance
pieces of bones
in fish products



biological
for instance
harmful bacteria,
viruses or parasites



chemical
for instance mercury
in fish or acrylamide
in starchy food

RISK

is determined by the exposure...



how much

how long

how often

...to a hazard

Example: *Salmonella* in egg is a hazard



if eaten raw

the chance of
exposure is **high**



the **risk** of food
poisoning is **high**



correct food handling
for instance **cooking**
thoroughly kills *Salmonella*
bacteria

the chance of
exposure is **low**

the **risk** of food
poisoning is **low**