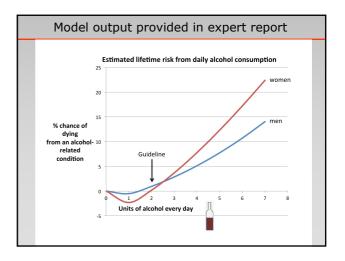
Statistics 1B Interludes

1. Guidelines for alcohol and toast



One alcohol
unit =
10ml or 8g of
pure alcohol.

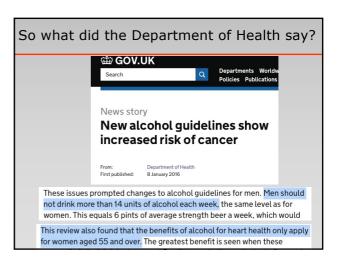


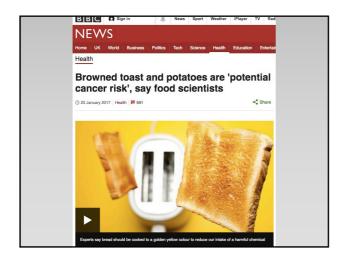


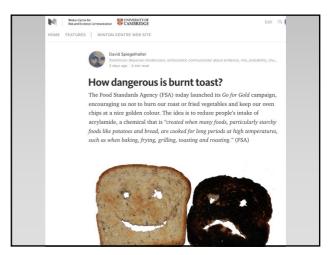
UK Chief Medical Officers' Alcohol Guidelines Review

Summary of the proposed new guidelines

- 2. The proposed guidelines and the expert group report that underpins them, have been developed on the basis of the following principles:
- People have a right to accurate information and clear advice about alcohol and its health risks.
- There is a responsibility on Government to ensure this information is provided for citizens in an open way, so they can make informed choices.









However, there is no good evidence of harm from humans consuming acrylamide in their diet: <u>Cancer Research UK say</u> that "At the moment, there is no strong evidence linking acrylamide and cancer."

This lack of evidence is not for want of trying. A <u>massive report from the European Food Safety Authority</u> (EFSA) lists 16 studies and 36 publications, but concludes

In the epidemiological studies available to date, AA intake was not associated with an increased risk of most common cancers, including those of the GI or respiratory tract, breast, prostate and bladder. A few studies suggested an

Group	Age-range	Estimated acrylamide exposure in µg/Kg/day		BMDL ₁₀ μg/Kg/day	Margin of exposure	
		Average	High (97.5%)		Average consumers	High consumers
Toddlers	1.5-3	1.4	2.9	170	120	59
Young people	4-6	1.4	2.6	170	160	77
	7 - 10	1.1	2.2	170	160	77
	11-18	0.75	1.5	170	230	110
Adults	19+	0.56	1.1	170	300	160

Conclusions

- Statistical analysis is vital
- But many uncertainties/assumptions are not reflected in the final guidance