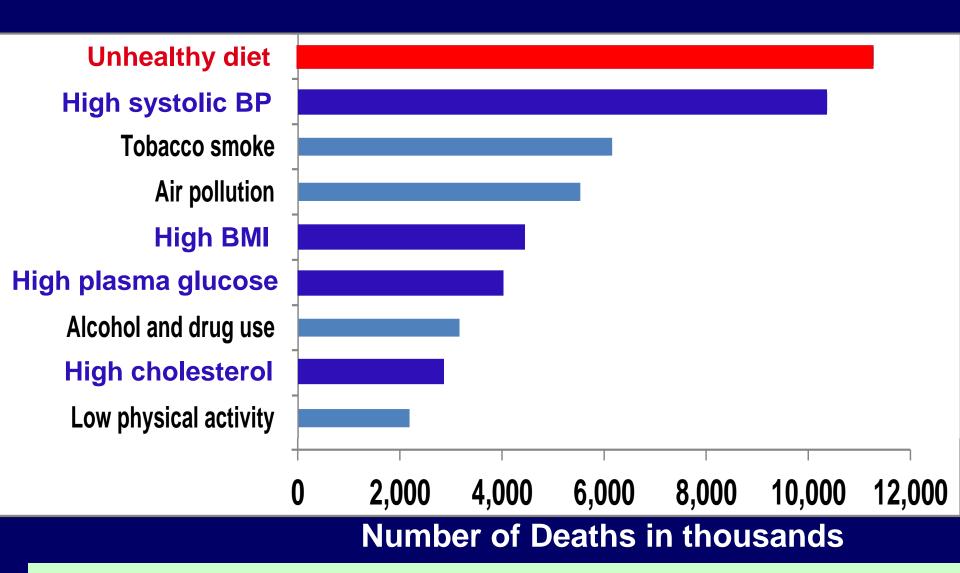
Sugar & NCDs

Graham MacGregor
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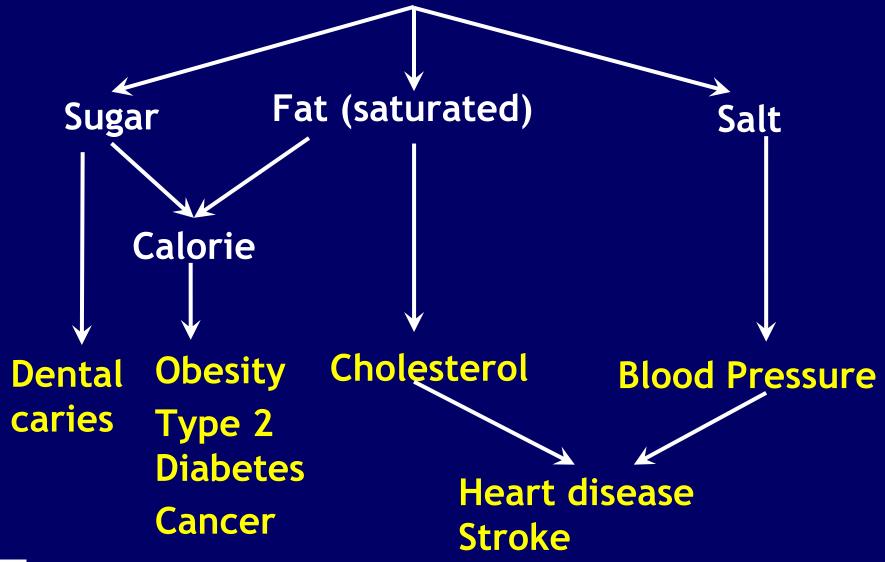
Major Underlying Factors Causing Death - Worldwide



GBD 2013 Risk Factors Collaborators. Lancet 2015;385:117

Action on Sugar

Processed foods and soft drinks







Why are we getting so fat?



A Big Mac, large chips and coca cola

_11 bananas or 18 oranges or half a marathon

Sugar - Impact on health

- The only cause of dental decay (caries)
- Major source of hidden calories
- Leads to obesity & diabetes

No disagreement



Sugar - Impact on health

Independent of calorie intake, does it predispose to

- Obesity
- Type II diabetes
- Fatty liver



Food/soft drink industry





What can we do?

- Tax High salt, sugar, fat foods
- Subsidise healthy food, e.g. fruit & veg
- Ban unhealthy food advertising & promotions
- Restrict availability
- Reduce portion size



Reformulation

Sugar: Spinning a web of influence





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Fizzy drinks giant pays millions to diet experts

Scandal as scientists deny sugar link with obesity

Alexi Mostrous Special Correspondent

Coca-Cola has poured millions of pounds into British scientific research and healthy-eating initiatives to counter claims that its drinks help to cause obesity, an investigation by The Times can reveal.

The drinks giant, a major sponsor of the Olympics, the Fifa World Cup and the Rugby World Cup, has financial links to more than a dozen British scientists, including government health advisers and others who cast doubt on the commonly accepted link between sugary drinks and the obesity crisis.

Many scientists blame increased sugar consumption for Britain's obesity epidemic, which kills up to \$3,000 people a year and costs the NHS \$51, billion annually. A recent report in the Brielsh Journal of Sports Medicine argued that poor diet was the cause of more disease than physical inactivity.

alcohol and smoking combined.

The full scale of Coke's scientific funding can be exposed after the government rejected calls for a sugar tax despite support from Dame Sally Davies, the chief medical officer, the British Medical Association and celebrities such as Jamies Oliver.

It can be revealed that:

Coke spent millions of pounds setting up the European Hydration Institute (EHI) — an apparently independent research foundation to promote hydration, which has recommended that people consume sports and soft drinks of the sort the common sells.

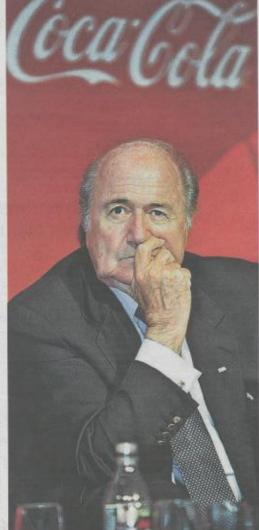
£1 million from Coca-Cola while he provided nutritional advice to leading sports bodies.

◆ Coke has provided financial support, sponsorship or research funding to British organisations including UKActive, the British Nutrition Foundation, the University of Hull, Homerton University Hospital, the National Obesity Forum, the British Dietetic Association, Obesity Week 2013 and the UK Association for the Study of Obesity.

In 2013, Spanish researchers found that scientific papers on sugary drinks that were sponsored by o'h had potential conflicts of interest with the food and drink industry, including Coca-Cola, were five times more likely to find no link, with obesity than similar papers that were independently funded. They recommended "special efforts to preclude funding by parties with vested interests at all levels."

Simon Capewell, a board member of the Faculty of Public Health, said. "Coca-Cola is trying to manipulate not just public opinion but policy and political decisions. Its factics echo those used by the tobacco and alcohol industries, which have also tried to influence the scientific process by funding apparently independent groups. It's a conflict of interest that flies in the face of good practice."

Coke spent €6.6 million (£4.86 million) setting up the EHI between 2010 and 2015 Guidance and studies funded by the institute often recommend that the public, including children, consume sports and soft drinks of the sort sold by



Revolution for Fifa after Blatter gets the red card

Inmer Durke

The leadership of world football was plunged into chaos yesterday after its three most powerful figures were suspended over claims of corruption.

Sepp Blatter's 17-year reign as president of Fifa was brought to an abrupt, and as he suffered the humiliation of being banned from the sport. It led to densands for a new leader to be appoint of from outside the governing body.

Michel Platini, Fifas vice-president, who had been lined up as Mr Blatter's successor, and Jérôme Valcke, the secretary-general, were also harred by the organisation's ethics committee as it investigates the claims.

Mr Baster's tenure is effectively over because his 90-day ban, which is expected to be extended by 45 days, expected to be extended by 45 days, will expire just before Fifa's presidential election in February, when he had already oledated to step down.

In a further blow, the ethics committee announced that Chung Mong-joon, the South Korean former Fifa vicepresident, had been banned for six years and fined 100,000 Swiss francs (£57,000) for breaking rules during the 2022 World Cup bidding campaign, which was won by Qstar.

Issa Hayaton, president of the Confederation of African Football since 1998, was appointed acting president of Fifa yesterday despite allegations relaing to his own conduct. He has faced censure by the International Olympic Committee (IOC) over bubery claims.

Angel Maria Villar Llona, head of the Spanish Football Association, will provisionally replace Mr Plathni as Uefa president — but Mr Villar Llona remains under investigation by Fifas ethics committee for failing to co-operate with an investigation into the bidding for the 2018 and 2022 Wheld Curs.

ding for the 2018 and 2022 World Cups.
The president of the EOC last right called on Fifa to end the scandal by accepting an "external presidential candidate of high integrity" 'Enough is enough,' said Thomas Bach. 'Fifa cannot remain passive. They must act swiftly to regain credibility.'

Mr Blatter, 79, and Mr Platini, 60, have been under mounting pressure since Michael Lauber, the Swiss attorney-general, opened a criminal investi-



Obesity plan for UK by AoS

1. Incremental reduction



- 2. Only healthy foods promoted/advertised
- 3. 20% sugar levy (+reformulation) 50-100 Kcal/person/d
- 4. Public sector strict guidelines
- 5. Uniform colour-coded labelling



UK Obesity Plan 2018 Announced by Theresa May

- Tax on sugar-sweetened drinks (opportunity to reformulate). Consider other categories.
- 20% voluntary sugar reformulation by 2020 (PHE) (Targets now set)
- Will also set targets for reformulation to reduce calorie (fat reduction)
- Further restrictions on marketing & promotion



Sugar levy 2018

>8 g/100 ml (8% sugar) tax 24p /L

5-8 g/100 ml (5-8% sugar) tax 18p /L

<5 g/100 ml (<5% sugar) No tax

Most supermarkets ↓ own label drinks <5 g/100 ml Suntory (Lucozade, Ribena) pledged to ↓ <5 g/100 ml



Reformulation of unhealthy food

e.g. processed, fast, takeaway, restaurant food

Food industry slowly reduce salt, sugar & fat - No rejection by public

Fantastic for Public Health

Very little cost

↓ BP, obesity& cholesterol

No need to change diet

