

Pesticides are not the concern of the Department of Health: Open Letter to the Chief Medical Officer England

The Chief Medical Officer for England says pesticides are not the concern of the Department of Health	2
None of the more than 400 pesticides authorised in the UK have been tested for long-term actions on the brain; in the foetus, the child or the adult	2
Our Stolen Future: How Man-made Chemicals are Threatening our Fertility, Intelligence and Survival	2
David Cameron appointed the CMO in 2010 even though she had not been trained as a specialist in Public Health	2
Between May 2010 and the end of 2013, the Department of Health alone had 130 meetings with representatives of industry	3
Open letter from America to the Prime Minister warning the UK against GM crops. David Cameron ignored it, so did the European Regulators	3
Defra Expert Committee on Pesticide Residues in Food: <i>"none of these were at a level to suggest a risk to consumer health"</i>	4
ONLY ONE CHANCE How Environmental Pollution Impairs Brain Development - and How to Protect the Brains of the Next Generation	5
David Cameron appointed Michael Pragnell, founder of Syngenta on to the Board of Cancer Research UK in 2010; he became Chairman in 2011	5
What credible scientific evidence is there that alcohol causes seven different types of cancer and that obesity causes 13 different types of cancer? None	6
Open Letter to Two Eminent Plant Physiologists who claim that Roundup only affects plants, fungi and bacteria	7
Department of Health's School Fruit and Vegetable Scheme (SFVS) has residues of 123 different pesticides analysed by PAN-UK; that is the cause of childhood obesity: DOH said 'pesticides are not the concern of the DOH'	7
The gut microbiome; the collective genome of organisms inhabiting our body. Obesity is associated with low bacterial richness in the gut	7
Why did you not attend the meeting in the Houses of Parliament in 2014 on Roundup? If you were away, you have hundreds of staff in the DOH or Public Health England that could have deputised for you	8
Roundup gradually destroyed the biodiversity in our small nature reserve but HSE, CRD and Defra refused to instruct the Council to stop spraying Japanese knotweed because they said Roundup was still legal	8
Roundup weed killer is present in all our foods: why does the UK media not want us to know? It will affect them as well as the people	9
British women in 2014-16 are spending nearly 20 years of their life in poor health (19.3 years) while men spend just over 16 years in poor health	10
Each year there are steady increases in the numbers of new cancers in the UK and increases in deaths from the same cancers, with no treatments making any difference to the numbers	11
A US EPA toxicologist who died from cancer of the breast accuses her colleague of conniving with Monsanto to bury the truth	12

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<https://morningstaronline.co.uk/article/f/boris-johnsons-push-liberate-britain-anti-gm-rules>

Dear Professor Dame Sally

Thank you for your letter dated 29 August 2019.

Pesticides are not the concern of the Department of Health

The Department of Health ignores pesticides at its peril. None of the more than 400 pesticides that have been authorised in the UK have been tested for long-term actions on the brain; in the foetus, the child or the adult. In the words of the late Theo Colborn, President, TEDX (the Endocrine Disruptor Exchange) reviewing the book by Professor Philippe Grandjean. ONLY ONE CHANCE: How Environmental Pollution Impairs Brain Development - and How to Protect the Brains of the Next Generation. *"This book is a huge gift to humankind from an eminent scientist. Grandjean tells the truth about how we have been ruining the brain power of each new generation and asks if there are still enough intelligent people in the world today to reverse the problem. I cannot rid myself of the idea that too many brains have been drained and society is beyond the point of no return. We must learn from the follies and scandals that Grandjean reveals and stop the chemical brain drain before it is too late."* The illogicality of reasoning by some members of the 'Brexit' party demonstrates that the brain function in certain sections of society in the UK is beyond the point of no return.

What are Endocrine Disrupting Chemicals (EDCs)? Theo Colborn's crucial research in the early 1990s into the chemicals that were changing humans and the environment was ignored

The late Theo Colborn¹ (1927-1914) was the first to research and write about EDCs, man-made chemicals that became widespread in the environment after WW II. In a book published in 1996, Our Stolen Future: How Man-made Chemicals are Threatening our Fertility, Intelligence and Survival Colborn, Peters and Dumanoski revealed the full horror of what was happening to the world as a result of contamination with EDCs.² There was emerging scientific research about how a wide range of man-made chemicals can disrupt delicate hormone systems in humans. These systems play a critical role in processes ranging from human sexual development to behaviour, intelligence, and the functioning of the immune system. In 1996, polychlorinated biphenyls (PCBs), pesticides DDT, chlordane, lindane, aldrin, dieldrin, endrin, toxaphene, heptachlor, dioxin, atrazine and dacthal had been shown to be EDCs. Colborn illustrates the problem by constructing a diagram (page 105) of the journey of a PCB molecule from a factory in Alabama into a polar bear in the Arctic. Colborn says: *"The concentration of persistent chemicals can be magnified millions of times as they travel to the ends of the earth...Many chemicals that threaten the next generation have found their way into our bodies. There is no safe, uncontaminated place."* Glyphosate, the most widespread herbicide in the world, is an endocrine disrupting and a nervous system disrupting chemical.³ She predicted that this would involve sexual development which is why some people are confused about their sexuality.

You were appointed as interim CMO by David Cameron in June 2010; you became the permanent holder in 2011. Was that once you had assured him of your loyalty by not mentioning pesticides?

¹ <http://endocrinedisruption.org/about-tedx/theo-colborn>

² Colborn, T., Myers, J.P., & Dumanoski, D. *Our Stolen Future. How Man-made Chemicals are Threatening our Fertility, Intelligence and Survival.* Little, Brown and Company: London; 1996.

³ http://www.seralini.fr/wp-content/uploads/2018/01/Seralini-career-JBPC_2015.pdf

You did not train as a specialist in Public Health, but as a consultant haematologist, specialising in haemoglobinopathies. You joined the Civil Service in 2004 and became Chief Scientific Adviser to the Health Secretary. Did David Cameron instruct Tracey Brown OBE from Sense about Science, a lobby organisation for GMO crops, to be your minder? When the RCOG published a paper saying that exposure to chemicals during pregnancy could damage the foetus, you and Tracey Brown publicly made fun of it.

After that I wrote to you about the Faroes Statement: in 2007, twenty-five experts in environmental health from eleven countries (including from the UK) met on the Faroes and contributed to this statement. *"The periods of embryonic, foetal and infant development are remarkably susceptible to environmental hazards. Toxic exposures to chemical pollutants during these windows of increased susceptibility can cause disease and disability in infants, children and across the entire span of human life."*⁴ You asked Dr John Harrison Public Health England to write to me to reassure me that there was no evidence that it was true.

You made an announcement in 2011 that antibiotic resistance was an apocalyptic threat to humans and the issue should be added to the government's [national risk register of civil emergencies](#). It should be debated in the Houses of Parliament. When I informed you that one of glyphosate's many actions was as an antibiotic, you ignored me. Dr Don Huber, a Plant Pathologist from Purdue University, Indiana says that glyphosate is an antibiotic, an organic phosphonate, a growth regulator, a toxicant, a virulence enhancer and is persistent in the soil. It chelates (captures) and washes out the following minerals: boron, calcium, cobalt, copper, iron, potassium, magnesium, manganese, nickel and zinc.⁵

Between May 2010 and the end of 2013, the Department of Health alone had 130 meetings with representatives of industry

*Documents released under a freedom of information request showed that between the coalition taking power in May 2010 and the end of 2013 the Department of Health alone had 130 meetings with representatives of industry.*⁶ The extensive investigation shows *"beyond doubt that commercial interests are currently in control of key decisions about the public's health."*

David Cameron met 26 times with officials of Murdoch's News Corporation in the first 14 months of office, more than twice the number of visits he has had with any other media organization.⁷

Open letter from America to the Prime Minister warning the UK against GM crops Living with GMOs: Citizen to Citizen.⁸ **From more than 60 million citizens in the US to citizens, politicians, and regulators in the UK and the rest of the EU about the hazards of genetically modified crops**

We, the undersigned, are sharing our experience and what we have learned with you so that you don't make our mistakes. Signatories include NGOs, groups, academics, scientists, farmers, food manufactures, and high-profile individuals representing more than 60 million Americans.

Extracts: "A recent review found that between 1996 and 2011, farmers who planted Roundup Ready crops used 24% more herbicide than non-GMO farmers planting the same crops. This pesticide treadmill means that in the last decade in the US at least 14 new glyphosate-resistant weed species have emerged, and over half of US farms are plagued with herbicide-resistant weeds." **The letter outlined eight independent papers describing Environmental Harm and six about the Threat to Human Health.** *"Americans are reaping the detrimental impacts of this risky and unproven*

⁴ <https://onlinelibrary.wiley.com/doi/full/10.1111/j.1742-7843.2007.00114.x>

⁵ <https://sustainablepulse.com/2014/07/02/uk-parliamentary-meeting-brings-dangers-roundup-public-focus/#.XWZHrS3Mxp8>

⁶ jgornall@mac.com BMJ 2014; 348: f7646

⁷ <http://www.independent.co.uk/news/uk/politics/revealed-camerons-26-meetings-in-15-months-with-murdoch-chiefs-2314550.html>

⁸ <http://www.theletterfromamerica.org/>

agricultural technology. **EU countries should take note: there are no benefits from GM crops great enough to offset these impacts. Officials who continue to ignore this fact are guilty of a gross dereliction of duty.**

We strongly urge you to resist the approval of genetically modified crops, to refuse to plant those crops that have been approved, to reject the import and/or sale of GM-containing animal feeds and foods intended for human consumption, and to speak out against the corporate influence over politics, regulation and science.” If the UK and the rest of Europe becomes the new market for genetically modified crops and food our own efforts to label and regulate GMOs will be all the more difficult, if not impossible. If our efforts fail, your attempts to keep GMOs out of Europe will also fail. If we work together, however, we can revitalize our global food system, ensuring healthy soil, healthy fields, healthy food and healthy people.”

Most countries in the EU took that advice and opted out of GM (including Scotland, Wales and Ireland).

David Cameron ignored that advice on behalf of England. He and Defra concealed the letter from the British public; the European Regulators ignored the letter too

The European Commission and the European Food Safety Authority also ignored it and continued to approve GM Crops for growing and for food and feed in the EU. This was despite these grave warnings from American citizens of their experiences (Living with GMOs) and from independent organisations in Europe, such as Testbiotech (Germany), CRIIGEN (France), Corporate Europe Observatory, Earth Open Source, Greenpeace and Pesticides Action Network.

Defra Expert Committee on Pesticide Residues in Food:⁹ Monsanto is responsible for humans and animals having glyphosate residues in their bodies: it is in all staple, non-organic foods

The results from monitoring of Pesticide Residues in Food (PRiF) have been published quarterly in the UK since 2000, but pre-harvest application of glyphosate to crops had been authorised 20 years before. Bread and breakfast cereals are staple foods but there are no maximum residue limits (MRLs) for bread or breakfast cereals. Residues in bread are tested twice a year.

e.g. 2002 3rd Quarter: Comments from PRiF: “Residues of chlormequat,¹⁰ glyphosate and pirimiphos-methyl¹¹ were found (in bread). These pesticides are commonly used on cereal crops, and residues have been found in other cereal products, therefore these findings are not unexpected. None of the residues found were of concern for consumer health.”

2011 3rd/4th Quarters for Lentils: Comments: “Sixteen samples of lentils contained glyphosate above the MRL. A new higher level of glyphosate is expected to come into force in summer 2012. None of the residues detected in this survey would be above the new proposed MRL.”

When the CRD Head of Regulatory Policy replied on 28/02/2014 to defend the authorisation of glyphosate, he told me that the capability to detect individual pesticides in food had increased from 150 in 2003 to 393 in 2012. He stated: “In the 2012 Report, although there were a large number of residues found in bread, none of these were at a level to suggest a risk to consumer health.”

However, he failed to reply to my question as to why EFSA was regularly increasing the Maximum Residue Levels (MRLs) of glyphosate in foods at the request of Monsanto (e.g. in lentils from 0.1 mg/kg to 10 mg/kg¹² i.e. 100 times: January 2012). EFSA had granted similarly elevated MRLs for glyphosate on wheat and GM soya.

⁹ <http://www.pesticides.gov.uk/guidance/industries/pesticides/advisory-groups/PRiF/about-PRiF>

¹⁰ Chlormequat, a plant growth regulator was present consistently throughout.

¹¹ pirimiphos-methyl, is an organophosphate insecticide for use in storage. The approval was revoked on 24/03/2011, but it was only finally banned 31/03/2013, presumably to allow stocks to be used up.

¹² <http://www.efsa.europa.eu/en/efsajournal/pub/2550.htm>

ONLY ONE CHANCE How Environmental Pollution Impairs Brain Development - and How to Protect the Brains of the Next Generation

Professor Philippe Grandjean, the leader of the conference that issued the Faroes Statement, has written a book about the brain drain caused by environmental chemicals.¹³ In 2007, twenty-five experts in environmental health from eleven countries (including from the UK) met on the Faroes and contributed to this statement. *"The periods of embryonic, foetal and infant development are remarkably susceptible to environmental hazards. Toxic exposures to chemical pollutants during these windows of increased susceptibility can cause disease and disability in infants, children and across the entire span of human life."*

"I cannot rid myself of the idea that too many brains have been drained and society is beyond the point of no return."

Review by THEO COLBORN, PHD, President, TEDX (the Endocrine Disruptor Exchange)

"This book is a huge gift to humankind from an eminent scientist. Grandjean tells the truth about how we have been ruining the brain power of each new generation and asks if there are still enough intelligent people in the world today to reverse the problem. I cannot rid myself of the idea that too many brains have been drained and society is beyond the point of no return. We must learn from the follies and scandals that Grandjean reveals and stop the chemical brain drain before it is too late."

The Chief Medical Officer for England's 2019 annual report focuses on UK engagement with global health.¹⁴

"The UK is a world leader in health, with an impressive track record of global collaboration, but there is no room for complacency... Across the UK, there are significant and widening inequalities in a range of health outcomes, including healthy life expectancy, infant mortality, and obesity. These health inequalities are not and should never be acceptable."

For your final report you failed to mention many diseases afflicting people in the UK in addition to obesity. Alzheimer's disease, Dementia, Autism, ADHD Bipolar, Diabetes (Type 2) Multiple sclerosis, Motor-neurone Disease, Obesity, Stroke, Hypertension, Cataracts & eye diseases, Inflammatory bowel disease, Birth defects, Colitis, Crohn's disease Hypercholesterolaemia, Allergies, asthma, Atopic dermatitis, Miscarriage/infertility, Renal disease/failure, Liver abnormalities, Coeliac disease, Gluten intolerance, Pancreatic abnormalities, Autoimmune diseases, Arthritis and **cancers**.

You claim that you work independently and you are going write about childhood obesity in September. But why did you collude with Cancer Research UK to blame the people for obesity?

David Cameron appointed Michael Pragnell, founder of Syngenta on to the Board of Cancer Research UK in 2010; he became Chairman in 2011

Michael Pragnell former Chairman of Cancer Research UK (2010-2017), founder of Syngenta and former Chairman of CropLife International was awarded a CBE in 2017 for services to cancer research. CropLife International was founded in 2001.¹⁵ As of 2015 CropLife International's member list includes the following 8 companies: [BASF](#), [Bayer CropScience](#), [Dow AgroSciences](#), [DuPont](#), [FMC Corp.](#), [Monsanto](#), [Sumitomo](#) and [Syngenta](#). Many of these make their own formulated glyphosate. CRUK, you, the Chief Medical Officer for England and Public Health England, linked cancer to alcohol, obesity and smoking. You all blamed the people for 'lifestyle choices'. Where is the scientific evidence for this?

¹³ <http://www.env-health.org/news/latest-news/article/book-review-only-one-chance-by>

¹⁴ <https://www.thelancet.com/action/showPdf?pii=S0140-6736%2819%2931666-6>

¹⁵ https://www.vinci.com/vinci.nsf/en/management-board-directors/pages/michael_pragnell.htm

Syngenta is a member of the European Glyphosate Task Force ¹⁶

The GTF is described as “a consortium of companies joining resources and efforts in order to renew the European glyphosate registration with a joint submission.”

Not surprisingly, the CRUK website denies that there is any link between pesticides and cancer

The CRUK website’s comments about pesticides as a cause of cancer: *“For now, the evidence is not strong enough to give us any clear answers. But for individual pesticides, the evidence was either too weak to come to a conclusion, or only strong enough to suggest a “possible” effect. The scientific evidence on pesticides and cancer is still uncertain and more research is needed in this area.”* ¹⁷

Survey commissioned by CRUK: ‘People lack awareness of link between alcohol and cancer.’

An article was published in the *BMJ* by Anne Gulland on 9 April 2016¹⁸ reporting a survey commissioned by Cancer Research UK ‘People lack awareness of link between alcohol and cancer.’ The Report produced by researchers at the University of Sheffield ‘comes ahead of the consultation closing on how well new drinking guidelines proposed by the UK’s Chief Medical Officers in January 2016, are communicated.’¹⁹

“Almost 90 per cent of people in England don’t associate drinking alcohol with an increased risk of cancer” Alison Cox, Cancer Research UK’s Director of Cancer Prevention. She said: *“The link between alcohol and cancer is now well established, and it’s not just heavy drinkers who are at risk. Drinking alcohol is linked to an increased risk of seven different cancers - liver, breast, bowel, mouth, throat, oesophageal (food pipe), laryngeal (voice box) - but when people were asked “which, if any, health conditions do you think can result from drinking too much alcohol?” just 13 per cent of adults mentioned cancer.”* Dr Penny Buykx, a senior research fellow at The University of Sheffield and lead-author of the report, said: *“We’ve shown that public awareness of the increased cancer risk from drinking alcohol remains worryingly low. People link drinking and liver cancer, but most still don’t realise that cancers including breast cancer, mouth and throat cancers and bowel cancer are also linked with alcohol, and that risks for some cancers go up even by drinking a small amount.”*

What credible scientific evidence is there that alcohol causes seven different types of cancer and that obesity causes 13 different types of cancer? None

Professor Sir [David Spiegelhalter](#), Winton Professor of the Public Understanding of Risk at the [University of Cambridge](#), revealed that drinking the maximum allowance set by Davies would be no more dangerous than eating bacon sandwiches or watching films.

In the *Observer* and the *Guardian* 20 and 21 July 2019 CRUK took out half-page advertisements.

Obesity (in huge letters) is a cause of cancer too. In a smaller box, it states Like smoking, obesity puts millions of adults at greater risk of cancer. And at the bottom, barely visible:

cruk.org/EndJunkFoodAdsToKids.

Bus stops and advertising hoardings are replete with black text on a white background. The adverts invite us to fill in the blanks and spell out OBESITY, asking us to *“Guess what is the biggest preventable cause of cancer after smoking.”*

CRUK has paid for many adverts on ITV and Channel 4 describing how it looks after people with cancer and encourages donations from the public. It claims to have spent £42 million on information

¹⁶ <http://www.glyphosatetaskforce.org/>

¹⁷ <http://www.cancerresearchuk.org/cancer-info/healthyliving/cancercontroversies/pesticides/>

¹⁸ <https://www.bmj.com/content/353/bmj.i1881>

¹⁹ <http://www.cancerresearchuk.org/about-us/cancer-news/press-release/2016-04-01-9-in-10-dont-link-alcohol-and-cancer>

and influencing in 2018. Its executives paid themselves between £60,000 and £250,000 in 2016. This was just about the highest pay of any charity.²⁰

Open Letter to Two Eminent Plant Physiologists who claim that Roundup only affects plants, fungi and bacteria

They claimed, together with Monsanto and global pesticide regulators, that Roundup only affects plants, fungi and bacteria because they had the shikimate pathway which is absent in humans and animals. But humans and animals have trillions of bacteria in their gut: the gut microbiome. **The gut microbiome; the collective genome of organisms inhabiting our body.**

The real reason for childhood obesity

Department of Health's School Fruit and Vegetable Scheme (SFVS) has residues of 123 different pesticides analysed by PAN-UK: DOH said 'pesticides are not the concern of the DOH'

Pesticide Action Network UK's analysis of the last 12 years of residue data published by the Expert Committee on Pesticide Residues in Food (PRiF) shows that there are unacceptable levels of pesticides present in the food provided through the Department of Health's School Fruit and Vegetable Scheme (SFVS).²¹ **Residues of 123 different pesticides were found**, some of which are linked to serious health problems such as cancer and disruption of the hormone system.

In many cases, multiple residues were found on the produce. This is another area of serious concern as the scientific community has little understanding about the complex interaction of different chemicals in what is termed the 'cocktail' effect. We have also found that the levels of residues contained on SFVS produce are higher than those in produce tested under the national residue testing scheme (mainstream produce found on supermarket shelves). When PAN-UK sent its 2017 findings to the Department of Health, it was told that **pesticides are not the concern of the DoH.**

The gut microbiome; the collective genome of organisms inhabiting our body. Obesity is associated with low bacterial richness in the gut.

We can only absorb nutrients via trillions of bacteria in our gut, the gut microbiome

This is the term for the collective genome of organisms inhabiting our bodies. Glyphosate disrupts the shikimate pathway within these gut bacteria, without which we cannot survive. Glyphosate is a strong chelator of essential minerals, such as cobalt, zinc, manganese, calcium, molybdenum and sulphate. In addition, it kills off beneficial gut bacteria and allows toxic bacteria such as *Clostridium difficile* to flourish. Two key problems caused by glyphosate residues in our diet are nutritional deficiencies, especially minerals and essential amino-acids, and systemic toxicity.²²

Richness of human gut microbiome correlates with metabolic markers: we are facing a global metabolic health crisis provoked by an obesity epidemic

Chatelier, E.L. *et al.* Richness of human gut microbiome correlates with metabolic markers *Nature* 29 August 2013; 500: 541-550.²³

"We are facing a global metabolic health crisis provoked by an obesity epidemic." In a multi-author study of obese and non-obese individuals, those with "low bacterial richness in the gut (23% of the population) are characterized by more marked overall adiposity, insulin resistance and dyslipidaemia and a more pronounced inflammatory phenotype when compared with those with high bacterial richness. Low richness of gut microbiota has been reported in patients with inflammatory bowel disorder. Also, notable diversity differences were observed between the urban US population and rural populations from two developing countries."

²⁰ <https://www.ten-percent.co.uk/10-percent-campaign/>

²¹ <http://www.pan-uk.org/food-for-thought/>

²² <https://www.mdpi.com/1099-4300/15/4/1416>

²³ <http://www.nature.com/nature/journal/v500/n7464/abs/nature12506.html>

The microbiome of uncontacted Amerindians has the highest diversity of bacteria²⁴

“We characterize the fecal, oral, and skin bacterial microbiome and resistome of members of an isolated Yanomami Amerindian village with no documented previous contact with Western people. These Yanomami harbor a microbiome with the highest diversity of bacteria and genetic functions ever reported in a human group.”

Many young children become obese when they go to school because they are being poisoned by the Department of Health’s School Fruit and Vegetable Scheme (SFVS)

Thousands of UK children, mainly in deprived city areas, are already classed as severely obese when they leave primary school.²⁵ The UK is the most obese country in western Europe, according to the Organisation for Economic Co-operation and Development.²⁶ Its annual [Health at a Glance report](#), published on Friday, shows that 26.9% of the UK population had a body mass index of 30 and above, the official definition of obesity, in 2015. Only five of the OECD’s 35 member-states had higher levels of obesity, with four outside Europe and one in eastern Europe. The OECD’s report, which says obesity in the UK has increased by 92% since the 1990s, illustrates the scale of the public health challenge, [with fears it could bankrupt the NHS](#)

Why did you not attend the meeting in the Houses of Parliament on Roundup? If you were away, you have hundreds of staff in the DOH or Public Health England that could have deputised for you Dr Don Huber, Emeritus Professor of Plant Pathology at Purdue University, Indiana, and one of four experts on Roundup, spoke at a meeting in the House of Commons on 18th June 2014 on the dangers of Roundup.²⁷ In what was one of the most comprehensive meetings ever held in Europe on Glyphosate and Roundup, experts from around the World gathered in London to share their expertise with the media, members of a number of UK political parties, NGO representatives and members of the general public. **EXCEPT THAT NONE OF THE MAINSTREAM MEDIA WAS PRESENT, NOR THE DEPARTMENT OF HEALTH NOR PUBLIC HEALTH ENGLAND.** They are protecting the pesticides industry.

Dr Huber’s second slide shows diseases which have increased in incidence since 1995, correlated with the red line, which represents the increasing use of glyphosate in the US

Not only does it cause diseases in plants and trees, but in humans it causes more than 26 diseases including obesity, Alzheimer’s disease, Dementia, Autism, ADHD Bipolar, Diabetes (Type 2) Multiple sclerosis, Motor-neurone Disease (MND), Obesity, Stroke, Hypertension, Cataracts & eye diseases, Inflammatory bowel disease, Birth defects, Colitis, Crohn’s disease Hypercholesterolaemia, Allergies, Asthma, Atopic dermatitis, Miscarriage/infertility, Renal disease/failure, Liver abnormalities, Coeliac disease, Gluten intolerance, Pancreatic abnormalities, Autoimmune diseases, Arthritis and **cancers**.

Roundup gradually destroyed the biodiversity in our small nature reserve but HSE, CRD and Defra refused to instruct the Council to stop spraying Japanese knotweed because they said Roundup was ‘still legal’

We established a small nature reserve in 2006. In 2010, we published two photo-journals to celebrate the wonderful diversity of invertebrate and vertebrate species that we found in it over that time without using pesticides: [The Year of the Bumblebee](#) and [Speckled Bush Crickets](#). By 2013,

²⁴ <http://advances.sciencemag.org/content/1/3/e1500183.short>

²⁵ <https://www.childinthecity.org/2018/06/07/uk-child-obesity-worst-in-poorest-cities/?gdpr=accept>

²⁶ <https://www.theguardian.com/society/2017/nov/10/uk-most-obese-country-in-western-europe-oecd-report-finds>

²⁷ <https://sustainablepulse.com/2014/07/02/uk-parliamentary-meeting-brings-dangers-roundup-public-focus/#.XWZHRs3Mxp8>

we noticed that species were disappearing and were distressed to find that glyphosate-based herbicides were being sprayed on Japanese Knotweed in the valley just below us. We sent samples of water to the Biocheck Veterinary Laboratories in Leipzig.²⁸

The Council said they would only stop the spraying if the Health and Safety Executive, Defra or the Chemicals Regulation Division asked them to stop. I wrote to HSE and told them that in August 2013, the level of glyphosate in the Clyne River draining from areas of Japanese Knotweed spraying was 190 parts per trillion (ppt) and in local tap water it was 30 ppt. Analysis of local tap water in August 2014 revealed a 10-fold increase since August 2013: from 30 ppt to 300 ppt. I told them that these were of the order of concentrations found in a laboratory study in 2013 that showed that breast cancer cell proliferation is accelerated by glyphosate in extremely low concentrations.²⁹

I obtained FOEs for Spraying Dakar Pro (a professional preparation of Roundup) for 2016 and 2017. Dakar Pro was sprayed on pavements, street by street and ward by ward including schools, playgrounds, playing fields, Hospitals and Old People's Homes. More than 3 tonnes of Dakar Pro were sprayed on the citizens of Swansea between April 2016 and end of July 2017.

Between 2014 and 2017, as the invertebrates declined, I begged them to request the Council to stop, but they refused telling me that Roundup was still legal. Finally, they said that if I wrote to them again on the same topic they wouldn't reply. In 2019, there are few butterflies, moths, solitary bees, beetles, ladybirds, aquatic invertebrates including dragonflies, or bats.

Roundup weed killer is present in all our foods: why does the UK media not want us to know? It will affect them as well as us

I had survived two cancers; one in 2001 and one in 2009. In 2015, I began to develop a progressive neurodegenerative disorder that my neurologist now agrees was due to demyelination caused by glyphosate-based herbicides. All the city councils over the UK use glyphosate-based herbicides to treat weeds and superweeds and we have weedkiller in our foods because, since 1980, most farmers have been spraying Roundup pre-harvest on crops to desiccate (dry) them.

We read an article in the *Guardian* in August 2018 about the weedkiller Roundup being found in US oat-based cereals marketed for young children. But the *Guardian* said "*There was no indication that the claims related to products sold outside the US.*" In view of the reassurance by the *Guardian*, we bought four oat-based cereals from our local Co-op in South Wales and sent samples of them to the Health Research Institute in Fairfield, Iowa. In October, we had some alarming results. Dr John Fagan wrote that they were "*shockingly high levels*". He said, "*to think they are being given to children.*"

Type of breakfast cereal marketed for children Product description	Glyphosate level ng/g	AMPA ng/g	Effective glyphosate level ng/g
Kelloggs No added sugar granola with Apricot & pumpkin seeds	499.90	ND	499.90
Quaker/Oat So simple/Original Microwaveable Oats	464.23	24.04	500.28
Weetibix Oatibix 100% wholegrain oats	318.85	16.96	344.28
Nestle Multigrain Cheerios Whole Grain Oat Flour 29.6% Whole Grain Wheat 29.6% Whole Grain Barley Flour 17.9% Whole Grain Corn Flour 2.1% Whole Grain Rice Flour 2.1%.	137.29	ND	137.29

The *Daily Mail* published the figures but the *Guardian* didn't.³⁰

²⁸ <https://biocheck-leipzig.de/index.php/en/impressum>

²⁹ <http://www.ncbi.nlm.nih.gov/pubmed/23756170>

³⁰ <https://www.dailymail.co.uk/health/article-6315209/Revealed-UK-cereals-contain-potentially-harmful-amounts-WEEDKILLER.html>

Britain and America are in the midst of a barely reported public health crisis.³¹

They are experiencing not merely a slowdown in life expectancy, which in many other rich countries is continuing to lengthen, but the start of an alarming increase in death rates across all our populations, men and women alike. We are needlessly allowing our people to die early. In Britain, life expectancy, which increased steadily for a century, slowed dramatically between 2010 and 2016. And the trends are deteriorating. Public Health England has published a hair-raising map of the English health experience from 2014 to 2016. The East and West Midlands, Yorkshire and Humberside, the north-west and north-east experienced declines in life expectancy. Nobody should have been surprised they voted against the status quo in the Brexit referendum."

Warnings by Chief Medical Officer, Dame Sally Davies at the Department of Health

Women are being warned to cut back on sweet treats or risk cancer. The UK's chief medical officer (CMO) said females are consuming "two biscuits too much each day" and should lose weight. Professor Dame Sally Davies revealed obesity will surpass smoking as the leading cause of cancer in women by 2043. Last year, official figures revealed 30 per cent of women in the UK are overweight and 27 per cent are obese. Obesity levels across all genders have risen from 15 per cent to 26 per cent since 1993.³²

Cases of Type 2 diabetes among young people rise 41% in three years³³

Leap brings calls for ministers to act to prevent so many children getting grossly obese

Type 2 diabetes is closely associated with being very overweight. Almost four in five (79%) of the 715 children suffering from it were also obese, the NHS data revealed. "Type 2 diabetes is a disaster for the child and their family and for the NHS," said Graham MacGregor, a professor of cardiovascular health at Queen Mary University of London who is also the chair of the campaign group Action on Sugar. "If a child gets type 2 diabetes, it's condemning them to a lot of complications of that condition, such as blindness, amputations and kidney disease," he said. "These figures are a sign that we are in a crisis and that the government doesn't seem to be taking action, or not enough and not quickly enough. The UK obesity levels now exceed those of the US. Children in Wales have been as obese as those in the US since 2014."³⁴

I am one of the many British women in 2014-16 who are spending nearly 20 years of their life in poor health (19.3 years) while men spend just over 16 years in poor health

Spanish women live the longest, with UK longevity ranked 17th out of 28 EU nations, according to Public Health England's annual health profile

"There is no reason why we shouldn't be as healthy as anywhere in Europe," said Prof John Newton, director of health improvement at PHE.³⁵ "Many of the causes of chronic, long-term diseases in the UK which shorten lives are preventable. Obesity is causing a big surge in the numbers of people developing type 2 diabetes. The report shows the numbers with diabetes are expected to rise swiftly, from just under four million last year to nearly five million in 2035. Along with alcohol, obesity is also one of the factors behind the rise in breast cancer. Apart from the human cost, the bill for the NHS will be huge... The list of the most common site-specific cancers remained unchanged from 2015 in both sexes. Lung cancer, colorectal and anal cancer, and leukaemia and lymphomas were all in the

³¹ <https://www.theguardian.com/commentisfree/2018/aug/19/bad-news-is-were-dying-earlier-in-britain-down-to-shit-life-syndrome>

³² <https://www.msn.com/en-gb/health/familyhealth/women-told-by-uks-top-doctor-to-eat-two-fewer-biscuits-a-day-or-risk-cancer/ar-AAEYMY8>

³³ <https://www.theguardian.com/society/2018/aug/18/cases-of-type-2-diabetes-among-young-people-rise-41-in-three-years>

³⁴ <http://www.wales.nhs.uk/sitesplus/888/news/33512>

³⁵ <https://www.gov.uk/government/publications/health-profile-for-england-2018/chapter-2-trends-in-mortality>

top ten leading causes of death in 2016...Prostate cancer and breast cancer remained amongst the top ten leading causes of death for males and females respectively, both ranked seventh, the same as in 2015. Lung cancer deaths remained the third most common cause of death for males and sixth most common for females in 2016. There has also been an increase in the death rate from lung cancer (8%), kidney disease and other diseases of the urinary system (38%) and chronic lower respiratory disease (18%). When deaths from all cancers are grouped together, cancer accounted for 25.6% of all deaths in females and 30.3% of all deaths in males in 2016. This would make it the leading cause, in 2016, for both sexes. The leading cause of death for women is dementia and Alzheimer's disease, responsible for 15.8% of deaths, with heart disease second at 8.3%. There has been an increase in the death rate from dementia and Alzheimer's of more than 60% and deaths from liver disease have increased by 12%.

Women in 2014-16 were spending nearly 20 years of their life in poor health (19.3 years), while men spent just over 16 years in poor health, according to data from the Office for National Statistics included in the report. The leading cause of poor health, responsible for more than 22% of the pain and suffering, is low back and neck pain, which can be caused by a number of things, including injury and rheumatoid arthritis. After that come skin diseases such as acne and psoriasis, says the report. Third for men is sight and hearing loss, while for women it is migraine. Fourth for both is depressive disorders. Long-term conditions such as diabetes, high blood pressure and cancers underlie some of these problems."

Each year there are steady increases in the numbers of new cancers in the UK and increases in deaths from the same cancers, with no treatments making any difference to the numbers.

In the UK there were 13,605 new cases of Non-Hodgkin Lymphoma in 2015 (and 4,920 deaths in 2016)³⁶; there were 41,804 new cases of bowel cancer in 2015 (and 16,384 deaths in 2016); 12,547 new cases of kidney cancer in 2015 (and 4,619 deaths in 2016); 5,736 new cases of liver cancer in 2015 (5,417 deaths in 2016); 15,906 new cases of melanoma in 2015 (2,285 deaths in 2016); 3,528 new cases of thyroid cancer in 2015 (382 deaths in 2016); 10,171 new cases of bladder cancer in 2015 (5,383 deaths in 2016); 8,984 new cases of uterine cancer in 2015 (2,360 deaths in 2016); 7,270 cases of ovarian cancer in 2015 (4,227 deaths in 2016); 9,900 new cases of leukaemia in 2015 (4,712 deaths in 2016); 55,122 new cases of invasive breast cancer in 2015 (11,563 deaths in 2016); 47,151 new cases of prostate cancer in 2015 (11,631 deaths in 2016); 9,211 new cases of oesophageal cancer in 2015 (8,004 deaths in 2016); and 5,540 new cases of myeloma in 2015 (3,079 deaths in 2016); 2,288 new cases of testicular cancer in 2015 (57 deaths in 2016); 9,921 new cases of pancreatic cancer in 2015 (9,263 deaths in 2016); 11,432 new cases of brain cancer in 2015 (5,250 deaths in 2016); 46,388 new cases of lung cancer in 2015 (and 35,620 deaths in 2016). In the US in 2014 there were 24,050 new cases of myeloma.

The Francis Crick Institute with its 'world class resources' is failing to improve people's lives with its treatments, but is definitely strengthening the economy of the pesticides industry and the pharmaceutical industry

Report: "The Francis Crick Institute is a biomedical discovery institute dedicated to understanding the fundamental biology underlying health and disease. Its work is helping to understand why disease develops and to translate discoveries into new ways to prevent, diagnose and treat illnesses such as cancer, heart disease, stroke, infections, and neurodegenerative diseases."³⁷

An independent organisation, its founding partners are the Medical Research Council (MRC), **Cancer Research UK**, Wellcome, UCL (University College London), Imperial College London and King's College London. The Crick was formed in 2015, and in 2016 it moved into a brand-new state-of-the-art building in central London which brings together 1500 scientists and support staff working

³⁶ <https://www.cancerresearchuk.org/health-professional/cancer-statistics/statistics-by-cancer-type/non-hodgkin-lymphoma>

³⁷ <https://www.crick.ac.uk/about-us/>

collaboratively across disciplines, making it the biggest biomedical research facility under a single roof in Europe. The Francis Crick Institute will be world-class with a strong national role. Its distinctive vision for excellence includes commitments to collaboration; to developing emerging talent and exporting it to the rest of the UK; to public engagement; and to helping turn discoveries into treatments as quickly as possible to improve lives and strengthen the economy."

A letter written by the late Marion Copley US EPA toxicologist to her colleague Jess Rowland ³⁸

It's been four years since Marion Copley, a toxicologist who had worked for 30 years for the EPA, wrote this letter to her then-colleague, Jess Rowland, accusing him of conniving with Monsanto to bury the agency's own hard scientific evidence that it is "*essentially certain*" that glyphosate, the key ingredient in Monsanto's Roundup weed killer, causes cancer. The date of the letter comes after Copley left the EPA in 2012 and shortly before she died from breast cancer at the age of 66 in January 2014. She accuses Rowland of having "*intimidated staff*" to change reports to favor industry, and writes that research on glyphosate, the key ingredient in Monsanto's Roundup, shows the pesticide should be categorized as a "*probable human carcinogen.*"

"Jess,

Since I left the agency with cancer [breast] I have studied the tumor process extensively and I have some mechanism comments which may be very valuable to CARC based on my decades of pathology experience. Glyphosate was originally designed as a chelating agent and I strongly believe that is the identical process involved in tumor formation."

In a 1-page letter Dr Copley makes 14 observations about chelators and/or glyphosate, including that they are endocrine disruptors, suppress the immune system, damage the kidneys or pancreas which can lead to clinical chemistry changes that favor tumor growth; glyphosate kills bacteria in the gut, the gastrointestinal system is 80% of the immune system making the body susceptible to tumors.

She goes on to say: "***It is essentially certain that glyphosate causes cancer.***"

Dr Copley ends with the statement: "*I have cancer, and I don't want these serious issues in HED [EPA's Health Effects Division] to go unaddressed before I go to my grave. I have done my duty.*"

*Marion Copley
March 4, 2013"*

Rosemary Mason 4 September 2019

³⁸ <https://www.organicconsumers.org/sites/default/files/marioncopleyletter.pdf>