

Public engagement



"Do fizzy drinks make teenagers more likely to carry a gun?"

"Smear-test ageism killed our "A sausage a day could lead to cancer" daughter"

"Review on children in nurseries and heart disease" "Calls to ban mobile phones and Wi-Fi claiming they pose a public health risk not based on evidence"

"Breast cancer 'risk' all over shops' shelves"?

"Is aluminium really a silent killer?"

"Heart danger in diet drinks"



| Figure 2.1 | Interest in medical | research | | |
|-------------------------------|-----------------------------|----------------------------|-----------------------|----------------------|
| Q. How interes | ted, if at all, would you s | ay you are in medical rese | arch? | |
| Base: All respondents | | | Wellcome Trust Monito | |
| | | Monitor w1 (2009) | Monitor w2 (2012) | Monitor w3 (2015) |
| | | (%) | (%) | (%) |
| Very interested | | 34 | 20 | 22 |
| Fairly interested | | 57 | 55 | 55 |
| Not very interested | | 7 | 18 | 16 |
| Not at all interested | | 2 | 7 | 7 |
| Don't know | | * | 1 | * |
| % Interested (very or fairly) | | 91 | 75 | 77 |
| Unweighted base: | | 1,179 | 1,396 | 1,524 |
| Weighted base: | | 1,179 | 1,396 | 1,524 |

* indicates a percentage less than 0.5%, but greater than 0.

Wellcome Trust Monitor Report Wave 3 Tracking public views on science and biomedical research April 2016

Flashpoints



EVIDENCE MATTERS

1st November 2016





Ask for Evidence on pregnancy adv

Ask For Evidence

Understand Evidence

EPTION

emisbout-us

Faception is a facial personality profiling company. Our breakthrough computervision and machine learning technology analyzes facial images and automatically reveals personalities in real-time. Backed by Social and Life Science research and proresults, our mission is to revolutionize how companies, organizations and even robots understand people to dramatically improve public safety, communications, decision-making, and experiences.

Founded in 2014. Faception is a private company. located in Our team includes world-class experts in the areas of compumachine learning, psychology, technology and marketing.



UR VISION

We believe that knowing and derstanding people is key to improving deployment in etc. is focused ommunications and making the right acisions about the person right in person in the in ont of you, or on the video screen. facial images to e also believe that our face reveals our "What is this pe ality. With the growth in social his personality



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News & Events

Facial profiling reveals personality

Computer-vision and machine learning technology

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Do the claims of the expensive phonics programme **Read Write Inc have any evidence?**

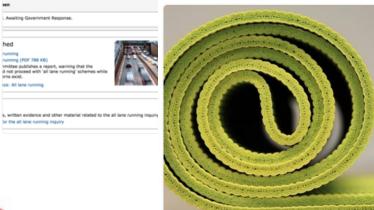
The claim is that Read Write Inc Phonics is effective in teaching phonics to

volung children - effective enough to justify throwing out previous (research-



Is all-lane running a safe and effective solution to congestion on motorways?

All-lane running (opening the use of the hard shoulder as a permanent



Yoga in schools improve mental health?

It was reported by The Telegraph that Edward Timpson said children should be taught yoga and meditation "to enable all children to enjoy good mental health and emotional wellbeing" http://bit.ly/2c1INX3 [...]

View Get help





ALL TRIALS REGISTERED

Sign the petition 🖊

Tell me more

ALLRESULTS REPORTED

What people ask about...



Help me get to grips with it

- Should we worry?
- Can I get something from scientists?
- Is it a scare story?
- Is it science?
- Who says it's safe?

How much do we know?

- What do scientists actually know?
- What tests have been done?
- How sure are they?



Balance of scientific opinion

- Is it majority opinion?
- How are scientists split?

Legitimacy

- Is it a proper study?
- How can I tell?
- Have they talked to scientists?
- What kind of study is it?



- ✓ Diagnosis
- ✓ Approach
- Accountability







Public engagement: aren't some issues just too complex?



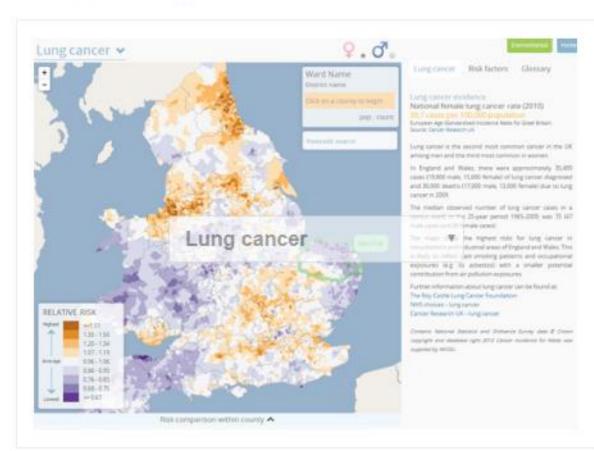


HOME PROJECT BOOK FAQ TEAM CONTACT US

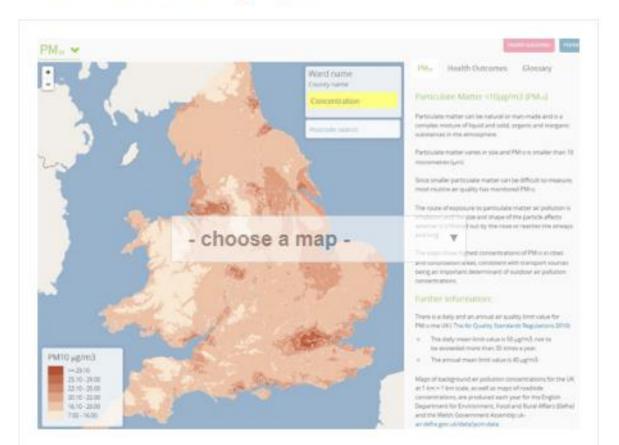


Hover over the screenshots to see a list of the available maps.

Health conditions



Environmental agents

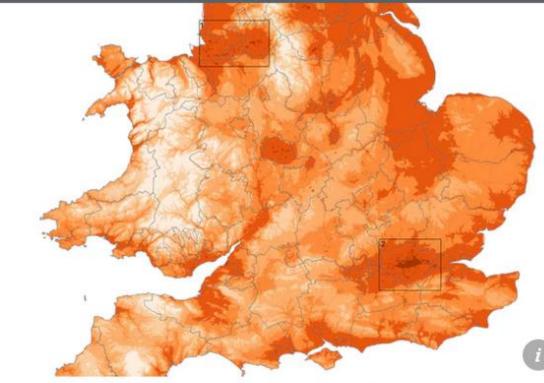


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environment / climate change / wildlife / energy / pollution / more



The environment and health atlas of England and Wales: how it was created and what it shows



OVERVIEW | LIFESTYLE | TECHNOLOGY AND FUELS | LAND AND FOOD | CLIMATE | COSTS

The Global Calculator v23

Summary | Energy | Emissions

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Public engagement: aren't some issues just too sensitive?

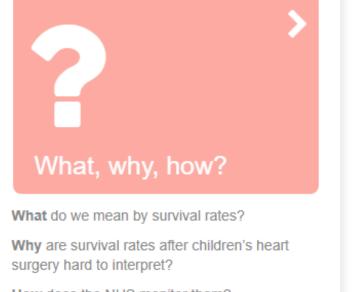




This site is to help people make sense of published survival data about children's heart surgery in the UK and Ireland.

Our website will help you:

- understand how the NHS monitors children's heart surgery
- · explore what survival rates can and can't tell you
- explore published data for hospitals in the UK and Ireland







browsing hospitals individually;

viewing a one page summary of all hospitals;

Everything else

What happens if the data raises concerns?

More detail about how survival statistics are monitored, including an explanatory video.

Limitatione of this data







Talk ⊙

Advanced search

Active | I'm on | I'm watching | I started | Last 15 minutes | Last hour | Last Day

Guest post: "I hope we've helped others preparing for their child's heart surgery"

Alex Smith says the lack of clear information added to her stress when her daughter was diagnosed with a heart defect - so she got involved with a project to improve resources



"As a parent, I need clear, straightforward information, even when I might be in a state of panic or distress."



Fear of Uncertainty

- It doesn't mean we know nothing
- It doesn't mean that anything could be true
- Confidence in new discoveries often compares favourably with confidence in previous
- ⇒Operational knowledge



Public engagement: is it too late?



reis to solehoe that he one maon of our nearth and prosperity nesed into the unknown is what drives humanity forward, and to destroy it is an attack against us all.

Steve Forden, PhD Researcher

Wanton destruction must never be able to trump evidence based research.

Louise Ward, Student - plasma physics

Without scientific research, we are at risk of allowing the anti-science movement to destroy scientific progress with their irrational fear of change and the things they've not bothered to understand.

Brian, Director

Becau dark a

Martin Harvey, ecologist

I'm concerned about potential dangers with GM, but the only Mar Everyo way to find out the truth is through research - destroying crops research leaves us all in the dark.

Alise Science is vital

Oliver Keane, Student

The work done by GM crop scientists is a vital part of moving towards a more environmentally-friendly mode of agriculture, as well as helping mankind survive the effects of climate change.

Janis Rudzitis, Designer It's just common sense.

Christopher Maslen, 3D Artist

Scientific research like this is what is going to bring humanity through the problems of the 21st century. Impeding this process because of ignorance should be prevented at all costs.

Sergio Robies, Mathand Science reacher

Because it is the best way to find the truth about many matters that concern us in this world, one of them being how to feeding a growing population without

Mark Hammonds, nurse

Kate Merritt, Rothamsted is a hist

research, and it also

wonder in science to me and ultimately shaped my future decision to become a scientist myself. My mother worked at Rothamsted for 25 years, and it kindly opened its doors to me by way of a summer research experience placement, giving me my first taste of science which I will never forget. Rothamsted is a kind and timid research facility, untainted by commercial drives but instead showing a genuine dentry, difference of a standard of the standa

There is no substitute for this kind of dialogue.

Science has given Man the ability to understand or universe and vastly improve the human condition.

> ent of important ing, and ng enough

that it won't have been in vain.

Julio J Morera, Pool Cleaning Service

Let the science continue! This research aims to reduce the environmental impact of agriculture on a world with ever-increasing demands for food. Just because GMOs are not natural" doesn't mean they are automatically harmful! The potential benefits of GMOs are

enormous, and if anything, we should all be working together to ensure o poorer that genetic modification is done safely and responsibly. If you are

concerned that Rothamsted will pull a Monsanto, then fight the system that allows for such exploitation! Don't destroy the science that can benefit millions of people around the world! Destroying these crops is a backwards and profoundly ignorant thing to do."

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Martin Jones, Software Product Manager

Without better ways of producing food, in the long run billions may uncertain, one thing is: we will not solve the problems bearing down on starve. Opposition to GM technology is really misguided and borders on a serious danger to humankind.

Dave, IT Administrator

while embracing other parts, like antibiotics, nylon, rayon, the internal combustion engine, nutrition, airbags, superglue, toothpaste, computers, GPS, phones and hair gel, just to name a few.

us by abandoning science. Tim Hubbatd, Sys Admin

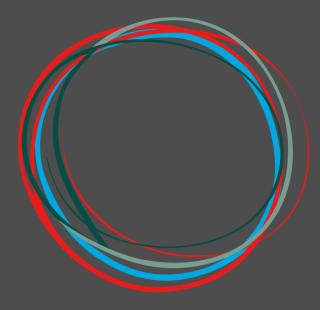
and complex that humans have ever faced in their guarter-million year

tenure on this planet. Even if the results of the Rothamsted are

Science is the only tool we have that can reliably make sense and create Why do this? Why violently denounce this part of scientific progress understanding of the universe. To paraphrase Carl Sagan: It is a candle against the darkness of our demon-haunted world.

Jenny Emmers, mum of three

I find it hard to follow what is likely to be useful for the future but I don't think I'll have any chance if people destroy the research that's



SENSE about SCIENCE

Because evidence matters