

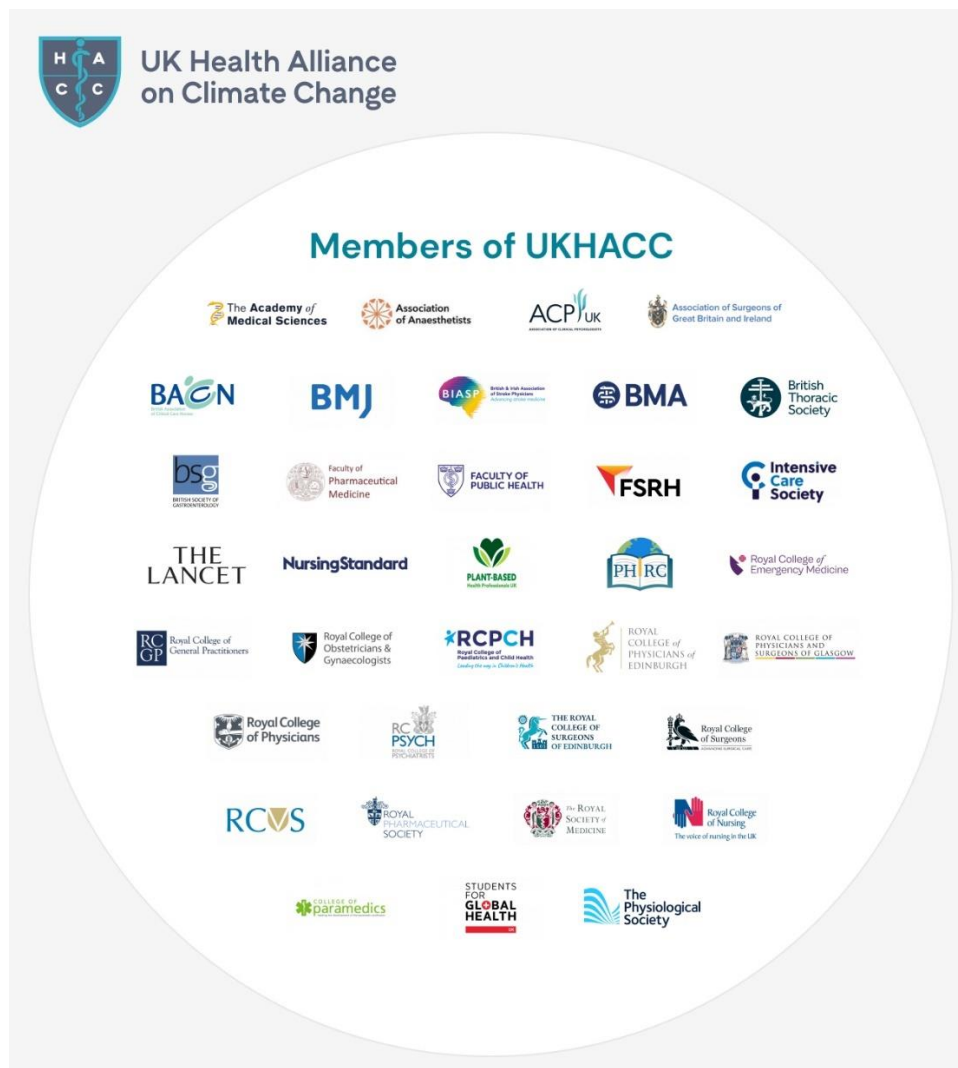


UK HEALTH
ALLIANCE ON
CLIMATE CHANGE

End of Year Report 2022

The UK Health Alliance on Climate Change brings together health professionals to advocate for just responses to the climate and ecological crisis, promote the health benefits that flow from those responses, and empower members and health professionals to make changes in their professional and personal lives to respond to the crisis.

In 2022, we welcomed five new organisations to our Alliance, increasing our membership by 16%. At the end of 2022, the total membership of our members is 995,055 health professionals.



Governance

Establishing as an independent Charitable Incorporated Organisation

In October 2022, we applied to the charity commission to establish as an independent charitable incorporated organisation (CIO).

The UK Health Alliance on Climate Change was entered onto the Register of Charities on 20 October with the charity number 1200769.

The governing constitution for the new CIO was presented to the council of members in September prior to submitting the application.

The (purpose) objects of the CIO are to promote for the public benefit the conservation, protection and improvement of the physical and natural environment and the advancement of health in particular but not exclusively by: (a) enabling and supporting health professionals and health bodies to promote public health in the face of climate change and related issues; and (b) supporting strategies and methods of reduction, mitigation and adaptation in response to climate change which improve public health.

Council of members

Our council of members includes representatives from all our membership organisations.

In March, the council signed off revised strategic objectives and agreed for the Alliance to commence the process of applying to become an independent charitable incorporated organisation (CIO). The minute of this meeting can be viewed [here](#).

In September, the council was presented with the governing constitution and application to the charity commission for the CIO. At the meeting, the council also discussed and voted on the list of actions for what members can do. The minute of this meeting can be viewed [here](#).

Ambassadors

Parveen Kumar, Fiona Godlee and Robin Stott are our ambassadors.

Trustees

Trustees met monthly in 2022 to monitor progress, provide strategic direction and discuss operational delivery. The founding trustees of the CIO are:

- Richard Smith, Chair
- Juliet Dobson, British Medical Journal
- Rose Gallagher, Royal College of Nursing
- Terry Kemple, Royal College of General Practitioners
- Jacob Kranowski, Royal College of Psychiatrists
- Liz Marder, Royal College of Paediatrics and Child Health
- Rhiannon Osborne, Students for Global Health
- Dan Sumners, Royal College of Physicians

Staff

At the end of 2022, the UK Health Alliance on Climate Change has 2.8 FTE staff members

Director (1.0FTE)	Elaine Mulcahy	<i>formally appointed in June 2022 following a secondment from Sep 2021-Jun 2022</i>
Fellow in Sustainable Surgery (0.8FTE)	Melissa Pegg	<i>appointed in April 2022; 0.6FTE Apr-Sep</i>
Policy Officer (1.0FTE)	Anandita Pattnaik	<i>appointed in November 2022</i>
Administrative support	Pat Lok	<i>Freelance</i>

In 2022, we also welcome NHS Graduate Management Trainee Ben Rossington on an eight-week placement.

Our strategic objectives

Our strategic objectives were revised and approved by our council of members in March 2022. They are to:

1. Engage and influence decision makers to strengthen policies responding to the climate and ecological crisis
2. Emphasise that we are an Alliance and that we all, including all members, must work to respond to the climate and ecological crisis
3. Raise awareness of the impact of the climate and ecological emergency on health
4. Support sustainable health service delivery across the four UK nations
5. Further establish the UK Health Alliance on Climate Change as an influential leader and voice for the health community on the climate and ecological emergency

The following sections provide an overview of delivery against these objectives in 2022.

1. We will engage and influence decision makers to strengthen policies responding to the climate and ecological crisis.

Influencing leadership

In [August](#) we participated in meetings, review and endorsement of a [health submission](#) to the UNFCCC Global Stocktake, which was coordinated by the Global Climate and Health Alliance and World Health Organisation. The global stocktake is a process to evaluate the progress made in implementing the Paris Agreement, and by how much ambition should be increased in future NDCs.

In [September](#), we wrote an [open letter](#) to the new Prime Minister Liz Truss highlighting our deep concerns about the impact climate change is having on human health. In the letter we call for leadership from the top to step up the work required to deliver the Government's net zero strategy.

We also [endorsed a letter](#) coordinated by The Climate Coalition, in partnership with Wildlife and Countryside Link, calling for climate, nature and the cost-of-living to be top of the agenda for the new government.

In [September](#), we wrote to the Minister for Health and Population of the Egyptian Government offering support ahead of COP27 and informing him of our planned editorial from Africa.

In [October](#) we participated in the health community policy recommendations for COP27, which were led by the Global Climate and Health Alliance. The published [recommendations](#) call for the consideration of health impacts of climate change, and the health benefits of ambitious action to be incorporated into COP27 negotiations in the priority areas of loss and damage, adaptation, mitigation, and finance.

In [November](#), on the opening day of COP27, we sent a letter to COP26 President Alok Sharma calling on him to put health at the forefront of discussions at COP27. The [letter](#) was signed by 37 health leaders from across UKHACC membership organisations and ambassadors. A number of quotes from Presidents of member organisations were also provided for the news statement issued to coincide with the letter. At the conclusion of the conference, we issued a [statement](#) welcoming progress on loss and damage financing but expressing disappointment at the failure to deliver a commitment to phase out fossil fuels.

Chief Scientific Adviser briefing to MPs

In [April](#), we signed an [open letter](#) from health leaders calling for a briefing on climate change to MPs by the Chief Scientific Adviser, Sir Patrick Vallance. The All-Party Parliamentary Group on Climate Change subsequently agreed to host the briefing in July.

In [June](#), thirty health leaders representing organisations across the UK Health Alliance [endorsed a letter](#) we coordinated, encouraging MPs to attend the planned briefing on climate change by the Government's Chief Scientific Adviser, Sir Patrick Vallance. We also created an online tool to enable individual health professionals to write to their MP to ask them to attend the briefing. The template letter highlights why it is important from a health perspective for members of parliament to be made aware of the risks to human health and the health service so that they can make informed decisions, based on evidence.

At the briefing in [July](#), the Chief Scientific Adviser was joined by experts to present the latest evidence related to the threat of climate change and the urgent need for action. About 70 MPs attended the briefing.

In [August](#), we created a [playlist](#) of video clips from the briefing and a [Twitter thread](#) which steps through each of the videos.

Lancet Countdown UK policy briefing 2022

The 2022 Lancet Countdown UK policy briefing was published on 26 October to coincide with the launch of the global report. The UK policy brief was developed in partnership between the UKHACC, Royal College of Physicians, Royal College of Psychiatrists, Royal College of Nursing, and British Medical Association. The briefing called for the UK government to achieve its country commitments to limit warming by:

- Ending all subsidies, investments, new licences and consent for fossil fuels while ensuring a just transition to renewable energy
- Adopting a legally binding commitment to reducing fine particulate air pollution (PM2.5) to the World Health Organisation's interim target of 10 µg/m³ by 2030 with a future objective to achieve the WHO recommended guideline of 5 µg/m³
- Creating equitable access to green space by prioritising protection and development of high-quality natural places to ensure everyone has a local park within a 10-minute walk

The policy brief can be accessed [here](#). A [communications toolkit](#), including an infographic and social media cards was created to support promotion and launch.

Energy Strategy, fossil fuels and just transition

In [February](#), we joined with a number of health organisations and individuals in adding our support to the health community Stop Cambo letter, which was handed in to Downing Street on 14 February. [The letter](#) called for a just transition away from oil and gas to tackle the climate crisis and fuel poverty.

In [March](#), we wrote to the Prime Minister urging bold moves to secure the health and future of the UK by reducing reliance on oil and gas by focussing on generating cheaper, cleaner power sources. In [May](#), we received a response from Lord Callanan, the Minister for Business, Energy and Corporate Responsibility, which highlighted the government's recently announced British Energy Security Strategy and the measures it seeks to deliver. While we were grateful for the response, we were disappointed that the key concerns raised in our letter were not addressed.

In [April](#), we [wrote](#) about the IPCC mitigation of climate change report, outlining how government need to deliver policies that reduce greenhouse emissions while also improving health and equity.

In [June](#), we joined with health leaders around the world to [write](#) to the Chief Justice of the Supreme Court of British Columbia in Canada in support of Dr Tim Takaro, a highly respected expert on the health effects of climate change who is awaiting sentencing for the action he took to stop an oil pipeline.

In [July](#), we joined with Royal College of Paediatrics and Child Health, Royal College of Obstetricians and Gynaecologists and Lancet Countdown [highlighting concerns](#) regarding extreme heat being an increasing threat without a rapid transition from fossil fuels.

In [September](#), we have joined with more than 1400 health professionals and 200 health organisations from around the world in a [letter](#) calling on governments to urgently develop and implement a Fossil Fuel Non-Proliferation Treaty that lays out a legally binding global plan to phase out fossil fuel use in order to protect the health of people around the world. Chair of UKHACC, Richard Smith, also co-authored an [article published in Lancet Planetary Health](#) outlining why we need a fossil fuel non-proliferation treaty.

In [October](#), UKHACC Chair, Richard Smith, supported a letter (now a petition) to British Cycling calling on them to drop their sponsorship deal with the oil giant Shell. The open letter was sent on 11 October and covered by [BBC News](#). A list of the 1250+ organisations who signed the open letter can be viewed [here](#). The open letter is now a petition which we have also promoted.

In December, we [condemned](#) the government's decision to open a new coal mine in Cumbria.

Environment act and air pollution

In [March](#), we published an [article](#) reporting on research that found if the government implemented existing environmental, transport and clean air policies, air pollution levels could fall within the WHO interim target (WHO10) by 2030.

In [May](#), we supported development and promotion of an [Environment Act consultation tool](#) created by Asthma + Lung UK to enable individuals to submit responses to the government's consultation on environmental targets.

In [June](#), we submitted a [response to the Government's environment target proposals](#) on air pollution. The response included case studies from a number of members of the Alliance.

The submission was supported by a [news blog](#) and social media including quotes from across our members. The outcome of this coordinated approach resulted in a very strong response from across our Alliance.

On Clean Air Day, we joined a roundtable event, hosted by the Royal College of Physicians, which was followed with a letter to government ministers signed by health leaders who attended the roundtable, including the Chair of UKHACC. This call from health leaders was [reported in The Times](#).

We also endorsed a briefing to MPs that was coordinated by the Healthy Air Campaign. And the BMJ published an [opinion piece](#) by UKHACC Director, Elaine Mulcahy on pollution following publication of the Lancet Commission on Pollution on Health.

And UKHACC Chair, Richard Smith, wrote about London's Ultra Low Emission Zone and the mayor's ambitions for clean air.

In [October](#), we were signatories on a [letter coordinated by Royal College of Physicians](#) to the Secretary of State for Environment, Food and Rural Affairs urging DEFRA to publish targets as soon as possible with a clear commitment to limit PM2.5 to 10mcg/m³ by 2030.

In [November](#) joined with Link, Greener UK and the Healthy Air Campaign in a [formal complaint](#) to DEFRA regarding the government's failure to meet the deadline to publish environment targets.

In [November](#), we were also co-signatories with the Healthy Air Campaign Coalition in a letter to the Secretary of State regarding a revised plan which proposes to remove the proven charging element of a Clean Air Zone for Manchester. The letter urged for a charging CAZ be implemented and the proposal should not be weakened.

In [December](#) we published a [statement](#) expressing disappointment at the government's newly published targets to reduce air pollution, saying it could result in air pollution levels in England still double the World Health Organization guidelines 18 years from now, putting the health of thousands at risk.

Food strategy

In [May](#) we promoted a global survey by the *Global Alliance for the Future of Food* to explore food systems knowledge among health sector professionals.

This was followed up in [June](#) with a UK health organisation-focused survey by the Faculty of Public Health and Eating Better to gather information about positions and practices related to sustainable diets. The survey lead was invited to speak at our monthly members communications/policy meeting.

In [June](#), we [responded](#) to the publication of the Government's Food Strategy, raising concern that it has failed to deliver on recommendations to shift diets away from greenhouse gas intensive meat and dairy production.

In December, we hosted a lunchtime on the transition to sustainable diets, including a presentation on the outcomes and recommendations from the survey of health organisations. The recording and presentation slides from this meeting can be viewed [here](#).

CEE Bill

In February, we supported the Climate and Ecological Emergency Bill, which calls for a carbon budget in line with keeping global temperatures to 1.5C and for the UK to restore nature by 2030.

In December we supported the United for Nature petition, which calls on the Prime Minister to reverse nature loss by 2030 (against the 2020 baseline) through a legally binding target. We have also encouraged our members and others to also add their support.

2. Emphasise that we are an Alliance and that we all, including all members, must work to respond to the climate and ecological crisis.

Our Commitment

In March, we initiated a project to develop a list of actions to guide what members can do in their organisations to demonstrate leadership and action on climate change mitigation and adaptation for the health sector. Following development and consultation with our members, including discussions and polling at our council meeting in September to identify the key priority areas for members to address. The final list of actions was presented in December and will be launched in 2023.



Declare that the climate emergency is a health emergency



Publish a plan for your organisation to get to net zero with actions and targets measured, monitored and reported annually



Campaign on mitigating and adapting to the planetary crisis



Embed sustainability in governance, structure, culture



Develop a plan for sustainability in specialist area and work with health systems to implement



Educate members on the links between climate and health



Disinvest from fossil fuels and sign the fossil fuel non-proliferation treaty letter from health



Acknowledge the link between climate change and inequalities and develop and promote policies that improve both at the same time



Develop and implement a travel policy for members and staff that minimizes travel that consumes carbon



Prioritise plant-based food and serve animal food only on request and from sustainable sources

Member activities

In July, we started to report on activities that our members are doing. This is a new initiative, and some events and activities may have been missed.

July	<ul style="list-style-type: none"> • Royal Pharmaceutical Society Climate Charter launched • BMA Public Health Committee emergency motion to stop Jackdaw and phase out all fuel extraction projects • Royal College of Paediatrics and Child Health Climate Change Day • Royal College of Obstetricians and Gynaecologists sustainable healthcare sessions during World Congress
August	<ul style="list-style-type: none"> • Royal College of Nursing programme launched
September	<ul style="list-style-type: none"> • Faculty of Public Health Climate and Health conference • Royal College of Physicians and Surgeons of Glasgow sustainability webinar
October	<ul style="list-style-type: none"> • Royal College of Nursing/NHS conference on greener nursing and midwifery • Royal College of Paediatrics and Child Health Ride For Their Lives • Royal College of Physicians, Royal College of Nursing, Royal College of Psychiatrists, and BMA were part of the working group and launch of the Lancet Countdown UK policy brief • The Lancet and BMJ were part of the working group, publishers and delivery of the editorial from Africa • BMJ published a special issue on climate change • Plant Based Health Professionals live CPD accredited webinars on planet-based nutrition and mental health, lifestyle medicine, and patient stories. • The Association of Clinical Psychologists released a statement supporting climate activists in non-violent direct action
November	<ul style="list-style-type: none"> • Royal College of Physicians and Surgeons of Glasgow sustainable health conference

In Conversation Lunchtime sessions

In April, we launched our programme of In Conversation lunchtime sessions. The following programme of events was delivered. Recordings and presentation slides for these sessions can be accessed [here](#).

20 April	NHS Long Term Plan Update
15 June	Communicating climate justice
22 June	Health inequalities, climate justice and the climate crisis
24 August	Embedding sustainability in governance, structure and culture
21 September	The voice of health workers in fossil fuel phase out
19 October	Reducing the carbon footprint of end of life care
23 November	Mobilising the health community on air pollution
14 December	How the health community can lead in the transition to more sustainable diets

3. We will raise awareness of the impact of the climate and ecological emergency on health.

Editorial from Africa

On 19 October, we coordinated the publication of an editorial, which was co-authored by 16 biomedical editors from across the continent of Africa, in 260 international health journals including more than 50 on the African continent. The editorial was being published in Arabic, Croatian, Dutch, English, French, Portuguese and Spanish, and in three WHO journals (the *Eastern Mediterranean Health Journal*, PAHO's *Pan-American Journal of Public Health*, and the *WHO Bulletin*).

The editorial calls on wealthy nations to step up support for Africa and vulnerable countries in addressing past, present and future impacts of climate change. The editorial says it is imperative that the suffering of frontline nations is at the core of COP27 negotiations because in an interconnected world, environmental shocks in vulnerable nations have severe consequences for all nations. The authors call for:

- The promised target of US 100 billion to be delivered, ensuring parity between support for adaptation and mitigation. These resources should come through grants, not loans, and be urgently scaled up before 2025.
- A financing facility for loss and damage to be introduced, providing additional resources beyond those given for mitigation and adaptation.

The editorial can be viewed [here](#). The communications toolkit produced to support promotion and launch can be accessed [here](#). The editorial was included in the blue satchel being delivered to COP27 by the Ride for their Lives team.

Our initiative was picked up by the global media: over 130 news stories were published about the project, in dozens of countries. The estimated potential reach of the news stories already published is an audience of over 800 million people. The Facebook engagement and Twitter shares were strong, with a measured engagement of 1.7K and a potential reach of almost 300 million.

Ride for their Lives

Representatives from many of our member organisations joined the UKHACC Ride for their Lives cycle in London on 13 October. The route passed multiple health organisations and hospitals in London and set out to highlight the impacts of air pollution and climate change on health. The professions represented included medicine, surgery, psychiatry, paediatrics, general practice, pharmacy, chest and stroke physicians, students and health editors.

The cycle was followed by a lunch kindly provided by the Royal College of Physicians, and a panel discussion facilitated by Fiona Godlee. The panel included:

- Rachael Moses, British Thoracic Society
- Mike McKirdy, Royal College of Physicians and Surgeons of Glasgow
- Ramesh Arasaradnam, Royal College of Physicians
- Claire Anderson, Royal Pharmaceutical Society
- Mehajabeen Faid, Students for Global Health
- Martin Marshall, Royal College of General Practitioners

Photos from the day can be accessed [here](#). The panel event, and individual pieces to camera by ride participants, were recorded throughout the day and are currently being edited into a series of videos which can be accessed on this [webpage](#).

The Commitment

We supported a campaign with [TheCommitment.uk](#) inviting people to say what matters to them with respect to their health, the health of the planet, and their vote. The Commitment are keen to ensure the views of healthcare professionals are reflected in the responses which are pulled together and shared with local politicians, giving them a powerful reason to act on the climate and the natural world for the benefit of health.

Nine Things You Can Do

We partnered with the Grantham Institute, Institute of Global Health Innovation, and Imperial College Healthcare NHS Trust to produce a [series of recommendations](#) for boosting human health in tandem with combatting climate change, following a major UN Report highlighting the dire risk to human mental and physical health because of global warming – and the devastation to nature and biodiversity that it brings.

Walk2COP27

We participated in the working group for the Walk2COP27 launch townhall event on 22 September. The event was held at the Royal College of Physicians and Surgeons of Glasgow and included a health panel involving the Chief Medical Officer for Scotland, CEO of NHS Greater Glasgow and Clyde, the director of SCOOP, and climate justice campaigner Rhiannon Osborne. After the town hall, we joined a team led by the College on a 3 mile walk to the Queen Elizabeth University Hospital, via the Clyde walkway passing the host venue for COP26.

Good Law Project

We supported and reported on the [legal case](#), which was launched in the High Court by the Good Law Project, ClientEarth and Friends of the Earth to force the Government to produce a revised and strengthened strategy that sets out specific data-driven plans to ensure the UK meets in commitments to achieve its carbon reduction targets. The ruling by the High Court found the Government's strategy for getting to net zero is inadequate and unlawful and ordered that the existing strategy be fleshed out with the detail necessary for parliamentary and public scrutiny.

4. We will support sustainable health service delivery across the four UK nations.

Health and Care Bill

The Health and Care Act 2022 came into force on 1 July 2022 with the news that NHS England has embedded net zero in legislation. The Act recognised that the response to climate change is good for the health of the public, placing new requirements on all NHS Trusts, Foundation Trusts, and Integrated Care Boards to meet net zero and tackle air pollution. It grants new statutory guidance powers to NHS England to support the fulfilment of these new duties, ensuring every Trust and ICB has its own localised Green Plan and board-level lead. The recognition in the Health and Care Act of

the role the health service plays in responding to climate change comes on the back of a significant piece of work by UKHACC members in calling for the amendments required to embed this into legalisation. Well done to everyone involved in supporting this. This included a [Letter to Secretary of State](#) and the production of a [Supporting a net zero NHS briefing](#) which was widely shared among MPs and the House of Lords. We also write about the importance of [Embedding net zero in health and care for the good of our health and health service](#)

NHS Scotland Climate Emergency and Sustainability Strategy

We worked with the Scottish Academy of Royal Colleges and Faculties, Royal College of Physicians of Edinburgh, Royal College of Physicians and Surgeons of Glasgow, and Royal College of Surgeons of Edinburgh on a [response to the NHS Scotland Climate Emergency and Sustainability Strategy](#). In our response we welcome many of the proposals outlined in the strategy and believe that, implemented sufficiently with the right resource and monitoring in place, it will help to achieve more a more sustainable health service in Scotland. The full response will be submitted next week with further details on our website. We also wrote a [BMJ opinion piece](#) about the strategy.

NHS Long Term Plan

We [wrote](#) to the CEO of NHS England, calling for a commitment to net zero to be included in every part of the Long Term plan, with strong governance and sufficient resourcing. Members of UKHACC were also invited to join an *In Conversation Lunchtime Sessions* which provided an opportunity to discuss the Long Term Plan Update, Greener NHS / Net Zero progress and plans. We created a [template letter/content](#) for members of UKHACC to use when developing their own individual responses to the Long Term Plan refresh and encouraged members to tailor the content as appropriate for your organisation and do what you can to ensure sustainability is a priority for the NHS Long Term Plan.

GMC Good Medical Practice Review

Following consultation across members of UKHACC we completed our [response to the GMC Good Medical Practice Review](#), which was submitted to the GMC in June. A number of members of UKHACC also submitted their own organisational responses, incorporating key messages around the need for sustainability to be included the review. In July, we joined a workshop held by the GMC to inform inclusion of content regarding environmental sustainability in the review. We also [wrote](#) to the GMC Chair and CEO commending the work GMC are doing on sustainability and encouraging their support for the proposal for a fifth domain in Good Medical Practice. We subsequently received a [response](#) from the GMC's Director of Education and Standards. We will continue to engage with the GMC and other stakeholders in our work to promote greater emphasis on sustainability within Good Medical Practice.

GP air pollution project

We have partnered with Global Action Plan and Imperial College London to deliver a DEFRA funded project focused on mobilising GPs to communicate air pollution with their patients. The Mobilising National GPs project provided online teaching on the causes and health impacts of air pollution to 40 GPs across England. Co-design workshops provided insight into the structure, content and design of the teaching sessions and materials which were produced and made freely available for download at www.actionforcleanerair.org.uk. Recommendations were made to scale up the pilot project to test independent use of the newly developed air pollution protocol and GPs as advocates for change. We also plan to host a roundtable discussion to support role of the project to wider groups.

ICS Clean Air Framework

We have supported the role out of the Integrated Care Service (ICS) [Clean Air Framework](#) developed by Global Action Plan. The free tool has been designed to enabled ICS leaders to take action to secure clean air and a healthier future for their region. The framework can be used to develop a stand-alone Clean Air Action Plan, or to integrate and prioritise clean air actions in a Green Plan. The framework links to the mandated requirements of Green Plans, NHS Standard Contract and 'Delivering a Net Zero NHS' report and builds on from GAP's Clean Air Hospital Framework, to tackle the sources and impacts of air pollution at a systems level.

Low carbon inhalers

We facilitated a meeting between the Greener NHS low carbon inhalers clinical fellow, Kieran Sandhu with members of UKHGACC. The meeting was very informative with some excellent discussion.

Green Surgery project

Supported by funding by the Health Foundation, we established the Green Surgery Project, a national initiative involving multiple stakeholders from institutions involved in the delivery of surgical care. The project is governed by an oversight committee involving multiple stakeholders and is being delivered by a project team including:

UK Health Alliance on Climate Change	Elaine Mulcahy, Director UKHACC Melissa Pegg, Fellow in Sustainable Surgery
Brighton and Sussex Medical School	Mahmood Bhutta, Project Chair Chantelle Rizan, Academic Adviser
Centre for Sustainable Healthcare	Catherine Floyd
Oversight Committee representatives	Jasmine Winter Beatty Jennie Wilson

The scope of the project is to provide the health system with the tools required to change the impact of surgical care pathways by:

1. Reviewing and reporting on available evidence of surgical care and associated departments, identifying carbon hotspots in surgery, knowledge and infrastructure gaps, opportunities and barriers for change
2. Producing a report and recommendations to enable a transition towards net zero surgery
3. Disseminating the report, recommendations and supporting material to key stakeholders and surgical teams across the UK
4. Developing a guide for implementation of the report recommendations, made up of commitments from stakeholders

The report structure was developed and writing is in progress. The report will be published in December 2023.

Green Surgery Report structure

1. Introduction	<ul style="list-style-type: none"> 1.1 Interplay between human health and planetary health 1.2 Delivery of surgical care in the United Kingdom 1.3 The environmental impact of surgical care 1.4 Opinions of patients, public, and healthcare staff 1.5 Labour rights harms in surgical products 1.6 Principles of sustainable healthcare and use of the triple bottom line
2. Public Health	<ul style="list-style-type: none"> 2.1 Prevention of surgical disorders 2.2 Health promotion and optimising surgical patients 2.3 Minimising unwarranted variation and low value care
3. Surgical care pathways	<ul style="list-style-type: none"> 3.1 Streamlining surgical patient care pathways <ul style="list-style-type: none"> 3.1.1 Reducing unnecessary steps 3.1.2 Remote and digital care 3.2 Pre-operative <ul style="list-style-type: none"> 3.2.1 Shared decision making 3.2.2 Patient optimisation and risk reduction 3.3 Operative <ul style="list-style-type: none"> 3.3.1 Impact of setting 3.3.2 Impact of timing of intervention 3.4 Post-operative <ul style="list-style-type: none"> 3.4.1 Impact of length of hospital stay 3.4.2 Optimising recovery and rehabilitation
4. Operating theatre design and energy	<ul style="list-style-type: none"> 4.1 Theatre design and infrastructure 4.2 Energy use in the operating theatre
5. Anaesthesia	<ul style="list-style-type: none"> 5.1 Local & regional anaesthesia 5.2 General anaesthesia surgery 5.3 Circular economy principles in anaesthesia delivery
6. Products used in surgical care	<ul style="list-style-type: none"> 6.1 Principles of a circular economy for medical products 6.2 Opportunities to reduce and rationalise equipment 6.3 Reusable equipment <ul style="list-style-type: none"> 6.3.1 Sterilisation and laundering 6.3.2 Repair and longevity of medical products 6.4 Manufacture 6.5 Transport and distribution 6.6 Reprocessing of medical devices 6.7 Waste and recycling
7. Barriers and facilitators to implementation	<ul style="list-style-type: none"> 7.1 Knowledge, attitudes, and behaviours 7.2 Education 7.3 Clinical leadership 7.4 Infection prevention control and decontamination 7.5 Medical supply chain 7.6 Supporting infrastructure
8. Areas for future research and development	<ul style="list-style-type: none"> 8.1 James Lind Alliance sustainable perioperative practice priority setting partnership 8.2 Wider research and innovation
9. Recommendations	<ul style="list-style-type: none"> 9.1 Clinical surgical teams 9.2 Clinical support services 9.3 Executive and management teams in healthcare organisations 9.4 Other hospital departments 9.5 Supporting industries and supporting services 9.6 National representative bodies 9.7 Government 9.8 Academics

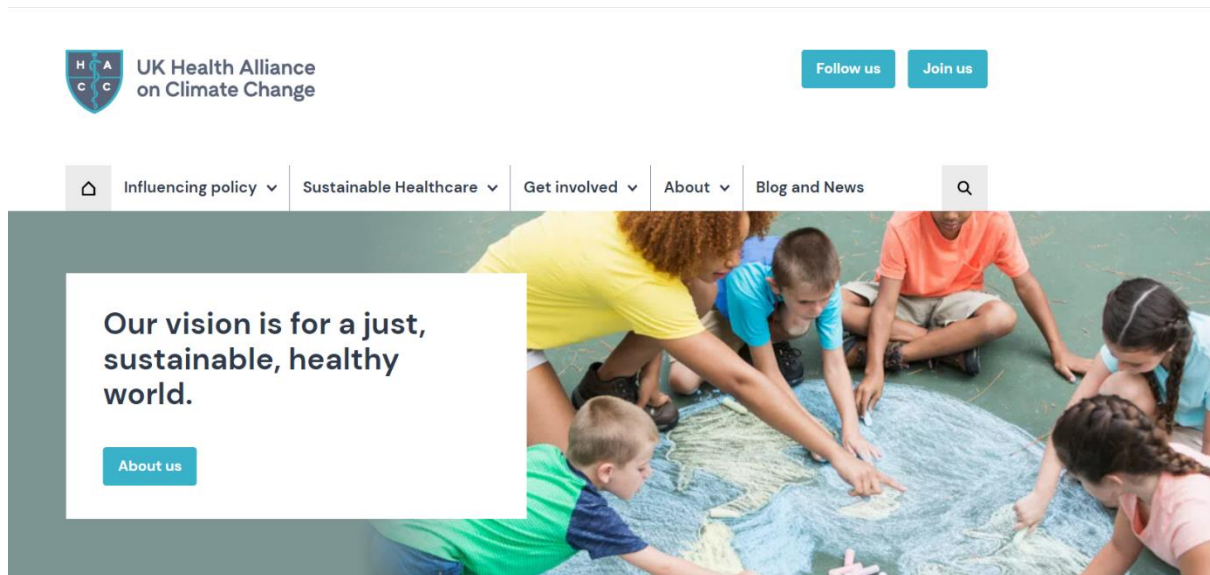
5. We will further establish the UK Health Alliance on Climate Change as an influential leader and voice for the health community on the climate and ecological emergency.

Throughout the year, we have engaged with policy leads, partners and other stakeholders to raise the profile of the UK Health Alliance on Climate Change. We have participated in multiple conferences, events and roundtable discussions and contributed numerous articles on climate and health. We have regularly communicated with members and others with an interest in our work through our monthly news bulletin, monthly Director's Update, and Twitter.

Subscribers to our monthly news bulletin have increased by 80% (from 1,083 to 1,947) since January 2022. Followers on Twitter have increased by 17% to 5,870 followers (846 new followers).



In December we launched our new website to better showcase and communicate our work.



www.ukhealthalliance.org