

The UK: Your Partner for Health Systems Strengthening



Department for
International Trade



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Why the UK? Top 5 best buys from NHS and UK private sector

- An **integrated model** of care focused on the patient, built and developed over 70 years. Draws together expertise in healthcare financing, **policy & strategy, regulation and clinical guidelines** - to create comprehensive healthcare systems.
- Nationally coordinated **workforce planning** – monitoring of healthcare workforce, accreditation of training programmes, delivery of speciality education and continuous professional development.
- Organised system with sophisticated **data collection** for direct care, service planning and research. This is the keystone of organised healthcare in the UK for 100 years. Rich data sources enable **digital technology** ecosystem including teleconsultations, self care and care management and highly diverse private sector.
- **Primary care and public health** - foundations of the NHS from education and professional development through to organisation and commissioning services – enabling patients to access all NHS services.
- **Innovation**- quick systematic delivery of innovation through organisations like NHSx, Accelerated Access Collaborative, NIHR, NICE and Academic Health Science Networks. The rapid adoption of new approaches, for example, genomics – from sequencing, research, personalised healthcare and prevention – with underpinning education & training services. And new approaches to emerging challenges– e.g. **sustainability, cutting edge infrastructure and pandemic response.**



"The UK's role in helping other countries with their health reforms shows that this is a natural focus for the country's diplomatic efforts and soft-power relations"

Chatham House

"I welcome the leadership of the largest single health system in the world, the National Health Service, in committing to be carbon neutral in its own operations by 2040, and to drive emissions reductions in its suppliers and partners"

*Dr Tedros Adhanom Ghebryesus – Director General World Health Organization
2020*

Introduction

This document brings together a combination of NHS and UK private sector examples for each component of the Health System Strengthening offer'

- **World-class healthcare needs integrated systems, where every part works to improve patient outcomes.** In the UK, expertise in areas such as funding, strategy, regulation, training, innovation and delivery comes together to make the NHS one of the very best healthcare systems.
- **The NHS has evolved over nearly 70 years.** But achieving system excellence need not take you decades; all the know-how and experience that makes the NHS so successful is available to you right now.
- **You can partner with organisations from the rich network of NHS bodies and private sector to help develop every aspect of your healthcare system, from workforce planning to data management.** The UK has also got over 15 national level organisations that have unique experience in all aspects of health systems development.
- **The UK is well placed in helping health systems lay the tracks they need to bring better care for all parts of their populations.**

75+

**UK Organisations
supporting Health
Systems
Strengthening**

What is Health Systems Strengthening?

The World Health Organization defines health systems as all organisations, people, and actions whose primary intent is to promote, restore, or maintain health.

Health Systems Strengthening (HSS) interventions are principal levers for achieving Universal Healthcare Coverage (UHC) in countries progressing or enhancing full coverage.

- **UHC means that all individuals and communities receive the health services they need without suffering financial hardship.**
- It includes the full spectrum of essential, quality health services, from health promotion to prevention, treatment, rehabilitation, and palliative care.
- UHC enables everyone to access the services that address the most significant causes of disease and death and ensures that the quality of those services is good enough to improve the health of the people who receive them.



Health System Strengthening definition:

“any array of initiatives that improves one or more of the functions of the health systems and that leads to better health through improvements in access, coverage, quality or efficiency”

UK Health Systems Strengthening Offer Summarised

The UK's International Portfolio themes with organisations ready to partner

Data and Digital

Strategy to support the use of data and digital interventions to improve patient outcomes

Public Health and Prevention

Services and interventions to prevent non communicable and communicable diseases and other life-threatening illnesses

Primary care

Services acting as the first contact and principal point of continuing care for patients within the system

Innovation

Systems, processes, services and products which change and improve the way we design and deliver care



Ancillary offers...

- Pandemic Response
- Sustainability & Climate Change
- Infrastructure
- Education & Training

Policy

Health system policy support to aid strengthening of health and care services and the development of UHC

Strategy

System and process design aimed at improving the quality of care and patient outcomes

Regulation and Clinical Guidelines

Setting and enforcement of standards to ensure quality and safety of care and the production of evidence-based guidance and advice including assessment of value of medicines and healthcare technologies.

Workforce Development

National strategy and individual training programmes designed to build a skilled and effective clinical workforce

The NHS – a world class ecosystem with a mixed delivery model

UK Health System Landscape and expertise

Formed in 1948 – first country to offer free universal health care to the whole population - the NHS

- Treats **1.4 million patients every 24 hours** and performs over six million day-case procedures per year
- **3 of world's top 4 medical universities** are in the UK
- **World-first programmes** to integrate genomics, AI, and early diagnosis, and preventative population medicine in the NHS
- is **still the world's largest publicly funded** healthcare system
- has become one of the most **efficient healthcare providers** globally
- UK spends **9.8% of GDP on healthcare**

- Department of Health and Social Care
- Medical Royal Colleges
- Royal College of Nursing
- Royal College of Midwifery
- General Medical Council
- Genomics England
- National Institute for Health Research
- NHS Digital
- Medicines and Healthcare products Regulatory Agency
- Academy of Medical Sciences
- Academy of Medical Royal Colleges
- Medical Research Council
- Universities

- Academic Health Science Centres
- Academic Health Science Networks
- Genomics England
- UK Health Security Agency
- Care Quality Commission
- National Institute for Health and Care Excellence
- Health Education England
- Health Research Authority
- NHS Blood and Transplant
- NHSX
- NHS Resolution

- NHS England and NHS Improvement
- Clinical Commissioning Groups
- Integrated Care Systems
- Community health services
- Public health services

UK Life Sciences sector

UK Private Sector



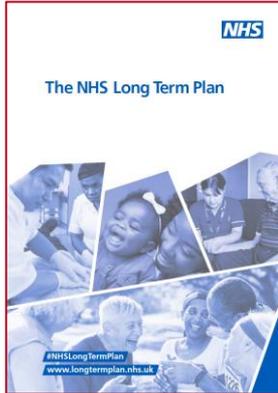
Patient

- Primary care inc GP/ pharmacies/ opticians/ dental services
- NHS Trusts
- Ambulance Trusts

UK Health Systems Strategy: the NHS Long Term Plan

NHS Long Term Plan 2019

As medicine advances, health needs change and society develops, the NHS has to continually move forward so that in 10 years time we have a service fit for the future. The NHS Long Term Plan is drawn up by frontline staff, patient groups, and national experts to be ambitious but realistic.



NHS will move to a new service model in which patients get more options, better support, and properly joined-up care at the right time in the optimal care setting.

New, funded action the NHS will take to strengthen its contribution to prevention and health inequalities.

The NHS's priorities for care quality and outcomes improvement for the decade ahead.

Current workforce pressures will be tackled, and staff supported.

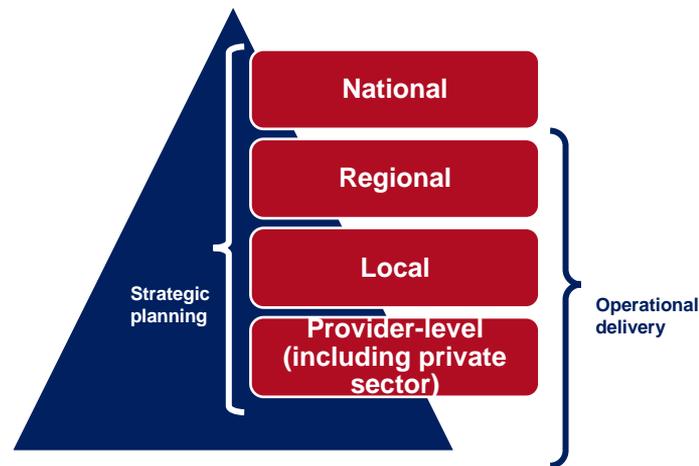
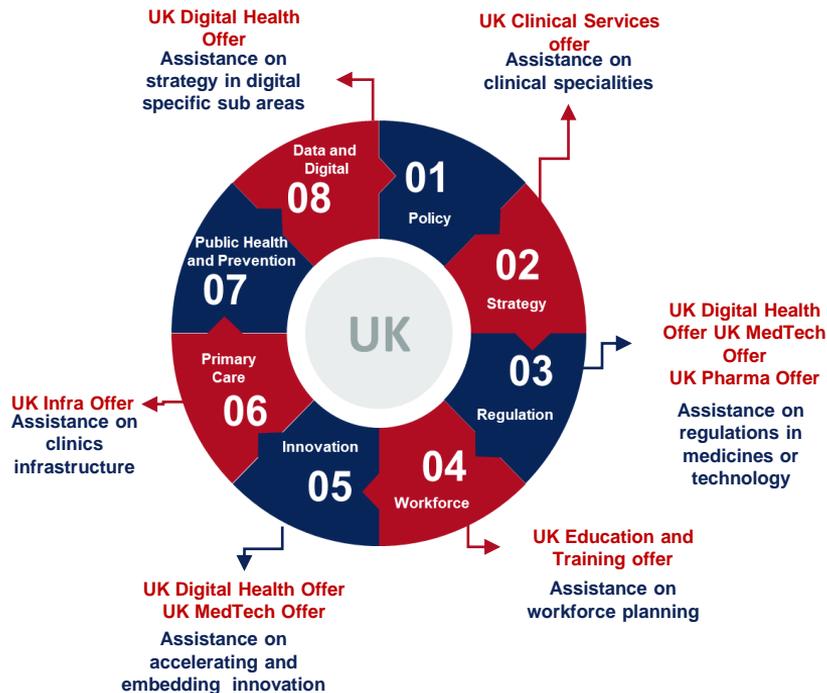
Wide-ranging and funded programme to upgrade technology and digitally enabled care across the NHS.

3.4% five year NHS funding settlement will help put the NHS back onto a sustainable financial path.

UK Health Systems Strengthening helps you access other UK sub-sectors, and we are open to partner with any range of organisation

- The UK Health Systems offer also interlocks and works with other UK offers where we have strength
- By providing packages of UK Health Systems expertise, we **build capability in health systems** to hand over to other UK organisations to deliver value in other areas

- Offer available to all levels of a health system
- To both public and private sector clients that request support in technical areas of health systems



Offer 1

Policy



Policy



UK Expertise

How? Building an evidence base to establish and build resilient health systems. The development of interventions and support to build and strengthen health systems.

The UK's National Health Service (NHS) is one of the world's best healthcare systems for equitable service and access and has over 70 years of developing healthcare policy that ensures delivery of high-quality care to patients.

1st

UK ranking in
Commonwealth Fund Health
Systems 2014, 2015, 2017



Global Offer

- This long history of evolving the NHS to adapt to changing patterns of disease, developments in research (the UK has many world firsts) and consumer expectations means that we are highly experienced and are able to offer this service to all countries across the globe.
- NHS policy focuses on building a health system that it is fit for the future by:
 - *enabling everyone to get the best start in life regardless of who they are or where they live,*
 - *helping communities to live well by being able to impact on the service they receive,*
 - *helping people to age well by tackling age related illnesses and keeping people well in the community.*
- We have award winning integrated care systems across the country and can evidence transformation between primary and secondary care. We offer NHS and other consultancy in these areas as well as data capture and analysis and population health management.

UK Organisations

- **BMJ**: BMJ publishes one of the top five most cited general medical journals. We delivered on global projects, including health systems strengthening, human workforce development and primary care strengthening.
- **Imperial College Healthcare NHS Trust**: One of the largest NHS trusts; we work with international clinical teams to improve services at hospital, regional, national levels; frontline multi-disciplinary teams developing quality improvement plans.
- **The Institute of Global Health Innovation (IGHI), Imperial College London**: IGHI aims to transform health for all, and supports innovative policy development, bridging gaps between policymakers, academia, public and private sectors
- **NECS**: NECS was established in 2013 as part of NHS England. Our consultants and analysts have substantial experience across health, social care, and justice, worked globally and with other consultancies.
- **NHS Consortium for Global Health**: Provides a point of access to a range of UK health organisations, including NHS bodies, who between them make up technical expertise in the core health system building. Currently funded by the UK FCDO with processes in place to ensure that NHS resources are not distracted from their domestic healthcare responsibilities.
- **NHS England/ Improvement (NHSEI)**: NHSEI leads the NHS, sets strategic direction through the NHS Long Term Plan and funds key priorities for improvement. Provides advice on leadership development; Support Systems and more.
- **NHS Genomic Medicine Service**: The UK is a world leader in genomics. We enable the NHS to harness the power of genomic medicine and science to improve the health of our population.
- **Options**: Options is a global health consultancy driving transformational improvements that ensure that women, adolescents and children can access the high-quality health services they need.
- **Royal Papworth Hospital NHS Foundation Trust**: A leading cardiothoracic hospital. We have built a reputation for providing outstanding consultancy for cardiothoracic disease and training solutions to international hospitals.



Other orgs: HEE,
UKHSA, NICE, GMC,
Office Health Promotion,
Cell & Gene Catapult

Offer 2

Strategy



Strategy



UK Expertise

How? System and process design to improve quality and patient outcomes. Taking policy into implementation through building delivery capability.

The NHS has a long track record in delivering world-class care to the UK population. Having a clear strategy nationally is key to ensuring that all elements work together to deliver clear objectives.

10 years

NHS 2019 Long Term
Plan horizon



Global Offer

The NHS and the UK Private sector has a number of organisations within it that deliver component parts including:

- Leadership and management development to improve health system performance and delivery.
- Consultancy services to deliver integrated care and transformation between primary and secondary care and population health management.
- Business support and delivery of HR, finance, IT and data management.
- Consultancy for quality improvement, patient safety and incident recording.

We can help you to develop a clear and comprehensive strategy for your healthcare system that will help you to deliver a comprehensive prevention agenda or the most appropriate care, to the right patients at the right time.

UK Organisations

- **Agencia**: Agencia has been transforming health and social care organisations for almost 25 years. We offer solutions to major healthcare challenges, including redesigning, implementing and delivering new services.
- **Alder Hey Children's Hospital**: Alder Hey recognizes the necessity to share our expertise with other healthcare organisations across the globe and provides consultancy and support in range of areas of interest.
- **Capita**: We help healthcare providers across the world to drive efficient, sustainable delivery whilst achieving the best health outcomes. Areas include: Patient contacts, Healthcare business operations and Health finance.
- **Carnall Farrar**: We are a management consultancy and analytics company dedicated to improving health and care. We partner with health, care, pharma and life sciences organisations to deliver and sustain effective change.
- **ETL** : Our dedicated team can offer the full spectrum of healthcare planning from our team of experts with backgrounds in architecture, clinical, finance, health services operational management, and informatics.
- **General Medical Council Services International (GMCSI)**: world-leading experience of regulation across all phases of doctors' education and careers. GMCSI is uniquely placed to deliver tailored solutions for regulatory challenges.
- **Guy's and St Thomas' NHS Foundation Trust**: One of the largest, most clinically comprehensive and high quality NHS foundation trusts in the United Kingdom. We use our excellence in clinical services, education and research as the basis on everything from consultancy services to long-term partnerships.
- **Mott Macdonald**: Our advisors help governments and organisations think through health systems – from the wider determinants of health through to the delivery of care in healthcare facilities – to create health systems that incorporate climate and pandemic resilience, digital innovation and social outcomes at the heart of what we do.
- **NHS Commissioning Support Units (CSUs)**: Delivering a range of managed services, consultancy and a variety of digital support and products to NHS. We bring the best of commercial disciplines and know-how combined with the NHS ethos to tackle health care challenges at all levels.
- **NHS Supply Chain**: NHS Supply Chain manages the sourcing, warehousing and delivery of healthcare products, services and food for NHS trusts and healthcare organisations across England.
- **NHS Transformation Unit (TU)**: TU is an NHS-based consultancy specialising in redesign and transformation of healthcare services. We work to deliver clinically led change, improving patient experience, health outcomes and creating sustainable, resilient services.
- **Strategic Health Planning**: We are a team of specialist healthcare planners with unrivalled experience and expertise in the planning and development of healthcare services and facilities.



Other orgs: NHS
Leadership Academy,
HEE, UKHSA, CSUs

Offer 3

Regulation and Clinical Guidelines



Regulation and Clinical Guidelines



UK Expertise

How? Development and enforcement of regulatory standards. Taking policy into implementation through building delivery support.

The UK has extensive experience and expertise in developing guidelines which enables us to provide valuable insights to international partner countries and organisations when developing and implementing their own methods and processes.

Our advice services help to develop and implement health and social care strategies in an effective and equitable manner, in line with the country's priorities.

70+

Years of experience and expertise of the NHS designing, delivering and innovating care



Global Offer

We use our experience promoting evidence-based decision-making in the UK's NHS to help countries to:

- Allocate health and social care resources in a cost-effective and equitable manner while improving quality of care and reducing variation of access:
 - Guidelines adaptation and contextualisation to local settings
 - Development of quality standards, indicators and pathways of care
 - Patient safety through openness, learning, regulation and monitoring
- Develop a system for health and social care priority setting and evidence-based decision-making for reimbursement:
 - Support on health technology evaluation methods and processes development
 - Capability building
 - Setting up committees, stakeholder management programmes
 - Clinical research and driving identification and adoption of innovation

UK Organisations



- **Care Quality Commission (CQC):** The CQC ensures care services in England provide people with safe, effective and high-quality care, and to encourage improvement. CQC have delivered international work via visits between international partners, incorporating presentations, workshops and facility visits.
- **Christie International:** The largest radiotherapy provider within the NHS and across Europe and is one of only two cancer centres worldwide to offer treatments using an MR-linear accelerator and high energy proton beam therapy (PBT). The Christie School of Oncology is unique as an educational institute within the NHS.
- **National Institute for Health Research (NIHR):** NIHR is a unique resource for the global life sciences industry. We provide fast and easy access to the UK's clinical research infrastructure, expert investigators, and cutting-edge technologies and tools to support collaborative research.
- **NICE International:** World renowned for its use of evidence-based decision making in its technology assessments and guideline production. Advisory service to international organisations, government agencies and ministries wanting to understand or adopt NICE's products, methodologies or processes.
- **Medicines and Healthcare products Regulatory Agency (MHRA):** Recognised globally as an authority in its field, MHRA plays a leading role in protecting and improving public health and supports innovation through scientific research and development.
- **RELX/Elsevier:** We want to make analysis easier for everyone in science and medicine, enabling them to manage their work more efficiently and spend more time making breakthroughs.
- **The Tavistock and Portman NHS Foundation Trust:** For 100 years the Tavistock has been at the forefront of development in mental health theory and practice. Specialisms include child observation often referred to as the "Tavistock Method," The Tavistock has many global partnerships.

Other orgs: GMC, CSUs,
Cell & Gene Therapy
Catapult, NIHR

Offer 4

Workforce Development



Workforce Development



UK Expertise

How? National Strategy & specialist training programmes to build a world class workforce. Ensuring workforce coverage and availability of specialist and management training programmes.

The most important resource that the NHS has is its people. At any one time we have approximately 160,000 students studying to become one of over 300 different types of jobs performed by more than one million people in the NHS, including doctors, nurses, midwives, paramedics, physiotherapists.

3 out of 4

Of the world's top medical schools are in the UK



Global Offer

Maintaining world class professional standards and driving leadership development are key components to the excellence of the UK system

We are able to provide:

- Guidance on national workforce strategy
- Development of health partnerships to support training and development of clinicians with partner countries – to enable expansion of UHC
- Advisory support and introduction of specialist clinical education and training services
- Consultancy for workforce strategy and development
- Global learners – placement services in the NHS to help build clinical expertise

UK Organisations



Other orgs: GOSH,
NIHR, GMC, CSUs,
UKHSA, NHS BSA

- **Health Education England (HEE)**: HEE provides Technical Collaboration & Consultancy Services focused on Human Resources for Health (HRH) as part of our capability-building partnerships. These services specialise in provide access to NHS expertise for system-to-system knowledge exchange; in-depth strategic analysis and advice, and long-term implementation for programmes.
- **King's Commercial**: From healthcare staff recruitment, clinical service and facility set-up, quality assurance and the provision of education and training, we can provide a bespoke package of services to meet your needs.
- **Medics Academy**: Medics.Academy uses technology to create innovative, high quality, scalable healthcare training programmes.
- **National Horizons Centre (NHC)**: Centre of excellence for the global biosciences and healthcare sector. NHC was founded to discover diseases early, develop new treatments, and deliver life changing medicines to those in need, quickly, safely and affordably.
- **NHS Leadership Academy**: The statutory organisation providing leadership development, lifelong learning and talent management to the NHS. We hope to work with you to increase leadership capabilities and develop your own sustainable development capacity.
- **Patchwork**: Patchwork Health is solving the global healthcare staffing crisis by transforming flexible working in healthcare; giving health workers and employers greater empowerment, flexibility and control over how they work.
- **Royal College of General Practitioners (RCGP)**: RCGP is the largest UK medical royal college. Services and products globally, include capacity building work; training of trainers; professional development; training needs analysis; international accreditation; and consultation skills.
- **Xytal**: Xytal is a leading healthcare consulting firm. We blend our detailed knowledge and experience of healthcare services and processes, using tested strategies from the research and private sectors.

Offer 5

Innovation



Innovation



UK Expertise

How? Systems, processes, services and products which change and improve the way we design and deliver care. Supporting the development of cultures and system that evolve to meet new challenges facing healthcare systems and biomedical advances.

The UK ecosystem encourages innovation through robust partnership working, strong science base, comfortable business environment and the NHS system itself.

Industry, academia, government, the NHS, and charity health funders have co-designed the future of the sector with a shared vision and continued partnership working in the sector. Leading universities, a skilled workforce and a track record in delivering Nobel Prize winning science. The UK also has The award-winning NHS Innovation Accelerator, or NIA, supports uptake and spread of promising, impactful innovations across England's NHS

The NHS Accelerated Access Collaborative is a great example of bringing together industry, government, regulators, patients and the NHS to remove barriers and accelerate the introduction of ground-breaking new treatments and diagnostics which can transform care.

4th

UK position in the Global Innovation Index in 2019



Global Offer

The NHS has a long history of being at the forefront of developing innovative new treatments to improve patient care and outcomes.

Innovation is a key element of the 2019 NHS Long Term Plan - "Patients benefit enormously from research and innovation, with breakthroughs enabling prevention of ill-health, earlier diagnosis, more effective treatments, better outcomes and faster recovery. Those innovations coming out of the NHS can be shared with overseas partners and adapted to their local contexts

Additionally, how the NHS accelerates innovation can be shared to help overseas partners to help them understand the creation of a national innovation infrastructure. This is the implementation and embedding of innovation faster and more systematically.

The NHS and UK Private sector are able to provide:

- Strategy support for the creation of a national innovation infrastructure
- Consultancy on development of national and local strategies to foster innovation and encourage diffusion
- Genomics services – genomics sequencing services, research and development collaborations and personalised medicine services – embedding genomics into Primary care – counselling services
- Consultancy to support creation of sustainable healthcare systems – carbon neutral health services
- Turning research into clinical breakthroughs



UK Organisation

- **Academic Health Science Networks (AHSN Network):** We are the only national network of health innovation specialists in the world. We are catalysts for innovation, our skills lie in helping facilitate change across whole health and social care economies – to improve health, drive down the cost of care, stimulate economic growth.
- **Cell & Gene Therapy Catapult:** The Cell and Gene Therapy Catapult is an independent centre of excellence to advance the growth of the UK cell and gene therapy industry, bridging the gap between scientific research and commercialisation. The catapult already collaborates with dozens of international companies.
- **CPI's Medicines Manufacturing Innovation Centre (MMIC):** Ensures the UK is a technology and innovation leader in pharmaceutical manufacturing by allowing new technologies to be proven at scale in a GMP-capable environment. With a collaborative innovation culture and state-of the art facilities, enabling industry, academia, healthcare providers and regulators to work collaboratively on challenges and opportunities within the medicines supply chain.
- **CPI's National Biologics Manufacturing Centre (NBMC):** CPI's National Biologics Manufacturing centre provides the facilities and extensive expertise to bridge the gap between academia and business, helping to turn great ideas into commercial reality. The centre supports the design, development, optimisation and demonstration of bespoke manufacturing processes for a wide range of biopharmaceutical products.
- **Genomics England Ltd (GEL):** Genomics England works with the NHS to bring forward the use of genomic healthcare and research to help people live longer, healthier lives. It was launched by the UK's Department of Health and Social Care in 2013 to deliver the 100,000 Genomes Project, a ground-breaking initiative.
- **Innovate UK:** Innovate UK helps innovative UK businesses grow and scale globally, helping them access knowledge and expertise in other countries, develop new partnerships and explore international opportunities. Innovate UK's international programmes help global businesses as well.
- **Medicines Discovery Catapult:** The Medicines Discovery Catapult supports the transformation of scientific research into commercial opportunities in the UK medicines industry. Offers internationally include consultancy, workshops, and embedding staff internationally.
- **National Institute for Health Research (NIHR) :** The National Institute for Health Research (NIHR) Clinical Research Network (CRN) is funded by the UK government to work in partnership with the UK's National Health Service (NHS) to deliver high quality clinical research. At the core of this success is the Study Support Service which helps researchers and the life sciences industry plan, set up and deliver high quality research to time and target.
- **NHS Digital:** NHS Digital is the national digital, data and technology delivery partner for the NHS and social care system. The support which NHS Digital provides for international engagement predominantly takes the form of services including reviews, workshops, learning sessions, and knowledge exchange.
- **The Vaccines Manufacturing and Innovation Centre (VMIC):** VMIC promotes, develops and accelerates the growth of the UK vaccine industry, through collaboration with the academic sector and SMEs. VMIC provides expertise in process development and manufacturing.

Other orgs: GOSH,
NICE, NHS BSA, CSUs,
NHC

Offer 6

Primary care



Primary care



UK Expertise

How? The foundations of UHC: The UK's Primary care organisations and their supporting healthcare partners are ready for successful partnerships through consultancy, advisory, design and workforce development.

The UK is known around the world for the quality of its Primary care and its availability without cost to all citizens. The General Practitioner (the family doctor) and their team is the most commonly used access point and where 9 out of 10 healthcare contacts are made. Primary care in the UK is the central part of an integrated system which provides continuity and co-ordination whilst acting as the gatekeeper for access to specialist hospital care

7,000

Approximate number of
GP practices in England



Global Offer

Internationally, the availability of Primary care is associated with:

- Better patient experience
- Lower health service utilisation and lower costs
- Lower five year mortality rates
- Better clinical outcomes

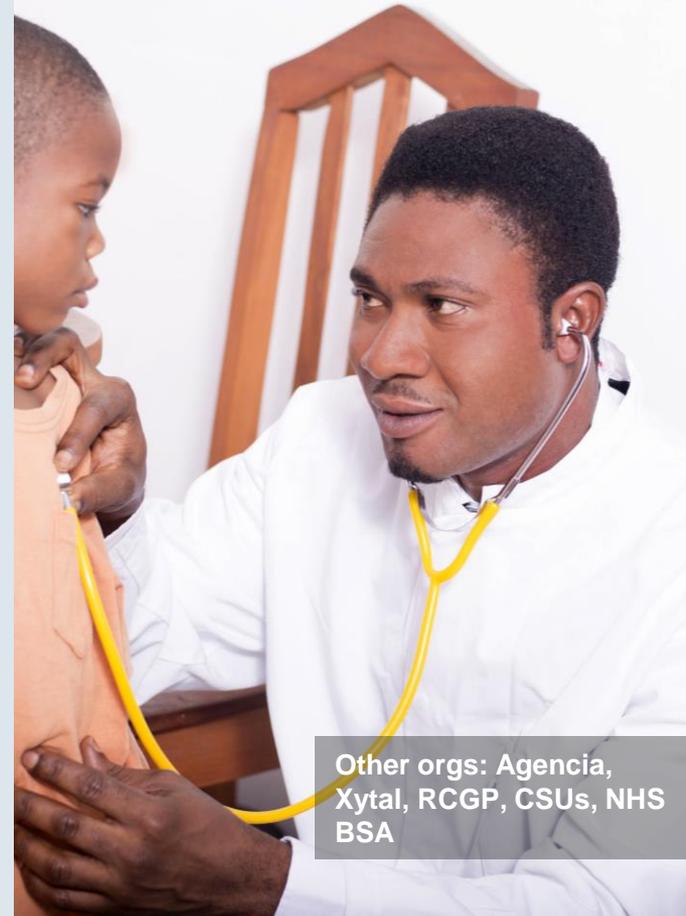
The UK provides Primary care that is the first point of access into the healthcare system. It is often seen as a gatekeeper.

We can help with:

- Supporting the development of Primary care services through consulting and advisory services for efficient systems.
- Training Primary care clinicians through established, world leading training providing.
- Support on delivering policy and regulatory systems to ensure quality outcomes through National NHS bodies.
- Advisory support to continually improve services through new care models and service transformation.
- Market studies and planning to shape future planning.
- Primary care facility design.
- Primary care Health and Wellbeing Programmes to Reduce Illness.
- Specialist Primary care technology systems.

UK Organisations

- **AT Medics**: AT Group is one of the UK's largest digital primary care provider to the NHS, led by a group of high performing physicians and digital health experts. Our award-winning platform consists of three areas of expertise: world-class care delivery system; Integrated health tech; training programmes.
- **Clarity Informatics**: Clarity Informatics, now part of Agilio Software is one the UK's leading IT healthcare solution providers. Over 450,000 healthcare professionals use Clarity's diagnosis and treatment guidance tool monthly.
- **Haxby Group**: Haxby Group is a community-based healthcare organisation, with general practice at its heart. Services include: System Support; Analysing Requirements; Workforce Design; Workforce Delivery Design; Training Courses; Support and Learning Groups.
- **Modality**: Modality Partnership is an award-winning GP super-partnership operating primary care and community outpatient services and health research. We work together to find new, innovative solutions that will provide high quality, excellent care for all.
- **Northumbria Integrated Consultancy Limited (NIC)** : NIC supports international customers to design, deliver and quality assure health and care systems to UK standards based on evidence and best. hosted by Northumberland County Council, one of the UK's most innovative integrated care providers.
- **Primary Care International**: Primary Care International (PCI) is one of the UK's leading providers of medical education in primary care. PCI helps healthcare providers increase quality and manage costs by bridging the gap between theory and practice.
- **Spirit Healthcare** : Spirit Digital makes primary healthcare provision smarter, safer and more efficient by connecting patients with their clinicians remotely – saving clinician time, reducing travel, and supporting patient self-management.
- **University of Birmingham**: The Institute of Applied Health Research focuses on population health and primary care research, evaluation and methodology.



Other orgs: Agencia,
Xytal, RCGP, CSUs, NHS
BSA

Offer 7

Public health and Prevention



Public Health and Prevention



UK Expertise

How? Services and interventions to prevent noncommunicable diseases and other life-threatening illnesses. Public health is about helping people to stay healthy and protecting them from threats to their health.

The NHS Long Term Plan aims to support people to live longer, healthier lives by helping them to make healthier lifestyle choices and treating illness at an early stage.

100%

Cancer survival in the UK has doubled in the last 40 years



Global Offer

The NHS Long Term Plan has a strong focus on the treatment and prevention of illness by supporting patients to adopt improved healthy behaviours. This will both help people to live longer, have healthier lives, and reduce the demand for and delays in treatment and care.

This includes targeting, improving and reducing the burden of Noncommunicable Diseases (NCDs) from cancer, to diabetes and mental health to cardiac services.

UK services can provide:

- Introduction of national and local systems to improve population health, prevent disease and reduce the burden of disease for individuals and economies.
- Consultancy to support the introduction of national technical assistance bodies.
- Strategies to support public health protection and improvement interventions.
- Advisory support for managing improvements in population health.
- Delivery of screening services to prevent and manage NCDs, physical and mental health.

UK Organisations

- **Office for Health Promotion (OHP)**: A new Office for Health Promotion (OHP) will also be created in the Department of Health and Social Care and will be the home of the Government's health promotion and prevention agenda. Under the leadership of the CMO, it will develop and lead the delivery of an ambitious strategy for improving the nation's health.
- **Outcome Based Healthcare (OBH)**: OBH support commissioners and providers through technology, using integrated health and care data to derive accurate and meaningful insights about population segments, outcomes, and support service transformation.
- **Royal Society for Public Health (RSPH)**: RSPH is an independent campaigning and educational charity dedicated to improving and protecting the health of people. We work on an international platform, connecting thousands of members from around the world and delivering policy and projects which stimulate global debate.
- **UK Health Security Agency (UKHSA)** : On 1 April the new UK Health Security Agency (UKHSA) was formally established with a global-to-local reach to protect the health of the nation from infectious diseases and other external threats to health by combining leading-edge science and analytics, insightful planning and responsive operational excellence.



Other orgs: NICE, CSUs

Offer 8

Data and Digital



Data and Digital



UK Expertise

How? support the use of data and digital interventions to improve patient outcomes. Using technology to transform health services to improve clinical outcomes, increased access to services and patient self-management.

The UK is uniquely placed to realise the potential of data and digital in healthcare, including access to at scale data in the NHS, real world evidence and novel applications. This is supported by an ambitious culture and continuously improving system for innovation underpinned by world leading talent.

NHSx is a new joint unit to combine talent in industry, government and NHS to drive the benefits of modern technology to every patient and clinician. It brings together for the first time the policy implementation and change levers across the entire NHS and others to build world class digital services and improve care for patients.

1 in 4

UK companies featured on the 2020 Global Digital Health 100 list



Global Offer

The NHS's strategy—the Five Year Forward View—puts patient empowerment and digital technology at the heart of responding to the pressures on the system.

It goes for a whole system approach to transformation in everything we do in healthcare. We want faster, better quality, safer, innovative and better-informed patients.

The UK is already home to world leading health tech companies and has pioneered innovative healthcare in a number of areas.

But the UK also has a lot of experience on support on digital transformation and tying technology to improve patient outcomes.

UK organisations can provide:

- Advisory support to develop nationwide, regional and local digital health strategies.
- Policy support for using data for research, service planning and direct care.
- Consultancy support for implanting digital health systems – electronic patient records.
- Transformation of health services through technology – remote monitoring.
- Designing innovations to support screening and self-management of disease.

UK Organisations



- **AdviseInc:** AdviseInc's mission is to #MakeSense of healthcare spend data. We identify significant financial benefits for healthcare systems by joining our award winning analytical solutions with artificial intelligence and commercial / clinical expertise.
- **BJSS:** BJSS is a leading technology and engineering consultancy. We collaborate closely with healthcare clients, designing and deploying technology and data solutions for healthcare professionals.
- **Congenica :** Congenica is a digital health company that empowers health professionals to transform the health and wellness of people around the world, guided by genomic information.
- **Difrent:** We are pioneering healthcare transformation specialists using data, technology, and user-centered design to empower the sector. We focus on understanding the complex problems that healthcare systems face, their strategic goals, and the needs of the people they affect.
- **Great Ormond Street Hospital (GOSH):** Great Ormond Street Hospital is one of Europe's leading digital hospitals by being the first hospital in Europe to achieve HIMSS Stage 6 and the first Hospital in the UK to achieve HIMSS Stage 7 for Outpatients. We offer consultancy expertise in variety of digital areas.
- **Methods Analytics:** Methods Analytics is a whole lifecycle data services company. We combine passionate people, sector specific insight and technical excellence to provide an end-to-end data service. Our outputs are transparent, robust and transformative.
- **Organisation for the Review of Care and Health Apps (ORCHA):** ORCHA is unique in the world. It reviews and distributes health apps, testing each against 350+ tough digital health measures and arming health and care professionals with accurate prescription tools. Its mission is to ensure health services can deliver safe, effective health to their populations.
- **RLDatix:** RLDatix is on a mission to change healthcare. We help organisations drive safer, more efficient care by providing governance, risk and compliance tools that drive overall improvement and safety.
- **Royal Brompton & Harefield hospitals:** Royal Brompton & Harefield hospitals are known throughout the world for their expertise, standards of care and research success. The team hold substantial expertise in genetic analysis and reporting, with current bioinformatics pipelines tuned to specialist cardiac and respiratory testing.
- **Tektology:** We align the physical, social and technological elements of health and wellness to deliver exceptional human experiences. We understand that the changes faced by governments, enterprise large and small and people in every country of the world.
- **Templar Execs:** Templar Executives provide a suite of specialist cyber security services for Healthcare providers. We focus support on people, process and technology to embed security in your organisation as part of the patient journey.
- **Vita Healthcare Solutions:** Our approach involves careful matching of system needs to the offers of innovators so decisions to collaborate are 'de-risked'. We also simplify language and ensure capital investment can flow to the innovations that require it to flourish and gain adoption. Vita are experts in identifying and removing barriers so health systems can adopt and accelerate the right innovation.
- **XyCare:** XYCare's core experience and capabilities supports Healthcare organisations to develop, transform and integrate systems underpinned by a suit of digital solutions which ultimate enhance the patient journey.

Other orgs: Carnall
Farrar, RELX/Elsevier,
Outcomes Based
Healthcare (OBH),
CSUs, RCGP, NHS
Digital, NICE

Offer 9

Ancillary Offers

- a. Pandemic Response
- b. Sustainability & Climate Change
- c. Infrastructure
- d. Education & Training



Pandemic Response

- The COVID-19 pandemic showed the UK at the forefront of innovations and capabilities in pandemic preparedness.
- This is demonstrated with the 2021 UK G7 Presidency in leveraging the UK's global leadership in life sciences, innovation, trade and public health to unite partners to help the world fight and build back better from coronavirus and create a greener, more prosperous future.
- The strength of our pandemic response is credit to our rapid and effective cross-government collaboration bringing together unprecedented efforts, resources and close engagement with industry and academia.
- Areas that the UK can provide support for the health system include:
 - Vaccines Deployment strategy
 - Research and development opportunities
 - National surveillance & rapid response (i.e. National Variant Assessment Platform)
 - National management immunisation services



NHS South,
Central and
West

- CSU's have been instrumental in delivering rapid response solutions to the COVID-19 pandemic, working to support all parts of the health and social care system in England. One part of this response was through the national **Immunisation Management Service**, which supports the NHS enhanced winter flu programme and the national COVID-19 vaccination programme, supporting and optimising the uptake of vaccinations for the nation.

Other orgs:
Mott Macdonald, UK Digital Health,
UKHSA

51.8m

**COVID-19 Vaccines
administered in the UK
in 6 months (between
December 2020 and
May 2021)**

Sustainability & Climate change

- The health and care system in England is responsible for an estimated 4-5% of the country's carbon footprint. The NHS has therefore committed to reaching net zero as soon as possible.
- The NHS became the first national health system to commit to become 'carbon net zero', backed by clear deliverables and milestones by 2040. The NHS has adopted a multilayer plan to become the world's first carbon net zero system.
- The NHS is in a strong position with over a decade of expertise and progress in sustainable healthcare, and the knowledge that our staff support our response to climate change.
- Greener NHS is driven by their core vision: 'To deliver the world's first net zero health service and respond to climate change, improving health now and for future generations'. Examples include reducing the use of single-use plastics within Great Ormond Street Hospital, increasing usage of alternative surgical anesthesia (e.g. lower carbon alternative sevoflurane), and utilising zero-emission courier services.
- There are a range of NHS organisations that have innovative activities in this area that could be shared internationally



Greener NHS

- The Greener NHS programme will work with NHS staff, hospitals and our partners. They will build on the great work being done by trusts across the country, sharing ideas on how to reduce the impact on public health and the environment, save money and reach net carbon zero.



Newcastle Hospitals NHS Foundation Trust

- Newcastle Hospitals became the first healthcare organisation in the world to declare a climate emergency, recognising the threat that climate breakdown poses to public health, and committing to becoming carbon neutral by 2040. They developed the SHINE report that details what they plan to do in next steps towards net zero.

2040

NHS target year to reach net zero for emissions in their control (NHS carbon footprint)

**Other orgs:
Mott Macdonald**

Infrastructure

- Great infrastructure is the foundation for efficient healthcare. Nowhere is this more evident than the UK, where the excellence of our designers, planners and engineers underpins the success of our National Health Service.
- UK designers and deliverers of healthcare buildings have great experience of designing them efficiently in the context of the wider healthcare system...
 - And relevant and economical new technologies which can facilitate remote diagnostics, monitoring and care.
 - And are attuned to the net zero agenda and the minimising of cost through the siting of facilities, the use of modern methods of construction, building information modelling, adaptable buildings and working with equipment manufacturers who are similarly committed.
 - And to designing and delivering facilities which meet the needs to prevent and control infection and are responsive to surge demand occasioned through pandemic or other causes.
- There are a range of UK organisations that take a “whole systems approach” and understand the intimate relationship between Infrastructure and strengthening the health systems within which a building fits to deliver good patient outcomes. UK actors are used to working with UK Export Finance (UKEF) to offer solutions which significantly reduce financing costs.



**Mott
Macdonald**

- Our work in the health advisory sector responds to the following interconnected and overlapping themes:
 - Adapting healthcare policy, services and facilities to emerging population needs and trends
 - Ensuring the best investment decisions with stretched resources.
 - Closing health inequalities and reaching the unreached.
 - System design and reconfiguration, maximizing digital innovation
 - Supporting delivery of quality services at scale.
 - Building resilience to climate and global health threats.



Yeme

- Yeme Tech uses comprehensive analysis of existing activities, events and assets within communities to help identify opportunities for asset-based regeneration, social interaction and community wellbeing.

£10bn+

**Capital value of 100
major healthcare
projects over two
decades in UK**

**Other orgs:
ETL, Strategic Health Planning**

Education & Training

- Matching the healthcare needs of growing, ageing populations with the right supply of trained health professionals is a global challenge. As the world's largest integrated healthcare system, the UK National Health Service (NHS) is tackling this by developing world-renowned education and training programmes to deliver the health professionals needed to meet demand today and in the future.
- The UK's leading medical education and training programmes produce world-class doctors, nurses, medical scientists and managers.
- Drawing on the UK's global reputation as a healthcare leader, the UK education and training sector is well-positioned to provide the following:
 - Multidisciplinary clinical education & training
 - Healthcare leadership & management training
 - Consultancy & advisory services
 - Bespoke education & training
- The UK's international healthcare education and training offer a wide range of colleges, universities, Royal Colleges, NHS Trusts, private and public providers. It can be delivered internationally or in-country via a number of training models ranging from in-country continuing professional development, UK-based courses, online and blended learning models.



GOSH

- The Great Ormond Street Hospital Learning Academy (GLA) vision is to be the first choice for multi-professional paediatric healthcare education, training and development for the whole workforce. Key to our success is our multi-professional approach and commitment to support specialist education, training and development.



Kings

- King's is a key partner in one of London's foremost Academic Health Science Centres: King's Health Partners. King's Health Partners is one of only six Department of Health-designated AHSCs in England. It brings together a world-leading research-led university – King's College London – and three successful NHS Foundation Trusts: Guy's and St Thomas', King's College Hospital and South London and Maudsley. This puts King's College Hospital in a great position in being able to offer a wide range of bespoke training programmes for staff at all levels which will contribute to improving quality of practice and patient care.

40+

**Number of
medical schools
in the UK**



Department for
International Trade



To find out how you can draw on UK expertise to extend, improve and transform healthcare provision in your country, contact DIT below:

Email: healthcare.uk@trade.gov.uk

Visit: <https://www.great.gov.uk/international/content/about-uk/industries/health-and-life-sciences/>