

King's Health Partners

An Academic Health Sciences Centre for London



King's Health Partners is a pioneering collaboration between King's College London and Guy's and St Thomas', King's College Hospital and South London and Maudsley NHS Foundation Trusts.

This unique combination brings together one of the world's leading research-led universities and three of London's most successful NHS Foundation Trusts.

Our driving purpose is to continually seek and bring about swifter and more effective improvements in health and well-being for our patients and people everywhere, by combining the best of basic and translational research, clinical excellence and world-class teaching to deliver ground-breaking advances in physical and mental healthcare.

We are one of only five Academic Health Science Centres in the UK accredited by the Department of Health. This followed a selection process carried out by a panel of internationally renowned clinicians and researchers.

King's Health Partners is pioneering better health and well-being, locally and globally, through integrating excellence in research, education and training, and patient care.

King's Health Partners will become the UK's leading Academic Health Sciences Centre (AHSC). We will:

- **Drive the integration** of research, education and training and clinical care, for the benefit of patients, through our new Clinical Academic Groups (CAGs).
- **Consider all aspects of the health needs** of our patients when they come to us for help.
- **Improve health and well-being** across our ethnically and socially diverse communities and work to reduce inequalities.
- **Develop an AHSC that draws upon all academic expertise** in medical science and also in basic science, social science, law and humanities.
- **Deliver a radical shift in healthcare** by identifying 'at risk' groups, based on genotype and lifestyle, and helping them to avoid illness.
- **Work innovatively with stakeholders** in the redesign of care pathways, including the delivery of care closer to home.

Values and guiding principles



Our values and guiding principles will ensure that we will work together effectively across the partnership and with our multiple stakeholders to:

- **Always put our patients first:** by ensuring that the patient is at the heart of everything we do.
- **Focus on pioneering research:** by rapidly and efficiently translating new discoveries into practical actions and benefits for patients locally, nationally and internationally.
- **Provide innovative learning opportunities:** by bringing together educational, academic and clinical expertise to deliver a world-class learning experience for students and the entire workforce.
- **Work in partnership:** by building on and extending clinical and academic collaborations and links locally and globally.
- **Transform the nature of healthcare:** by moving from treatment towards population screening and disease prevention.
- **Deliver excellence:** by setting new standards of achievement in patient care, research and education and training.
- **Disseminate knowledge:** by ensuring benefits from our innovations are widely adopted.
- **Exercise scholarship in everything we do:** by being enquiring, thoughtful and reflective and challenging to ensure that everything we do adds value.
- **Be inclusive:** by designing systems and procedures so that everyone is actively encouraged to become involved and has the opportunity to do so.

Our strategic objectives 2010-2014

The following broad and ambitious objectives will be translated into specific programmes in our business plans.

- We will be in the top 10 globally, both clinically and academically, in the fields of:
 - Mental health and neurosciences
 - Cardiovascular disease
 - Transplantation, immunity and inflammation linked to disease.
- We will build our capacity to address diseases that have a particularly large impact on our local community, but also are important on a global scale, in the areas of:
 - Childhood diseases
 - Diabetes and obesity
 - Cancer
- We will ensure our academic expertise is applied to all our clinical services to pursue our tripartite mission.
- We will strengthen ground-breaking basic science research, not just in priority areas but across the biomedical spectrum.
- We will be the most highly regarded AHSC in the UK in terms of patient experience and satisfaction, as measured by national statistics and those we will develop ourselves.
- We will be the leading AHSC in the UK in widening access to educational and training opportunities for prospective students in all health-related fields. We will establish, in collaboration with our stakeholders, an 'Academy of Apprentices' to offer training opportunities to our local population in a range of health related skills.
- We will encourage staff to take responsibility for their own continuing professional development, by developing appropriate programmes and providing them with the encouragement and time needed to undertake these. We will share these programmes with the wider healthcare community of south London and beyond.
- We will ensure our mental health services and physical health services work collaboratively to treat the entire individual.
- We will constantly seek to reduce costs and improve quality for the benefit of patient care across the partnership and the wider health and social care system.
- We will underpin all these objectives by working with our stakeholders to build information technology and resources to support our efforts.

The largest centre of healthcare research and education in Europe



Locally focused, internationally recognised

Situated in south London, our partnership is a centre of clinical, research and teaching excellence.

King's College London is ranked 23rd in the top universities in the world. It is the largest centre for healthcare education in Europe (with more applications per place in medicine than any other) and provides education and research in the widest range of subjects allied to medicine of any London institution.

World-class care for London

Bringing together some of the nation's best doctors, nurses and healthcare professionals, we deliver, through our seven hospitals and over 150 community based service centres, world-class care to over two million patients every year.

The three NHS Foundation Trusts provide a comprehensive range of general hospital services, as well as the widest range of specialist services in the UK, including mental health services and services to promote psychological well-being.

In 2009, King's Health Partners were chosen to host one of three new major trauma centres and one of eight hyper acute stroke centres for the Capital. These will both be located at **King's College Hospital**.

General hospital services

Guy's and St Thomas' and **King's College Hospital** offer a full range of general hospital services, including accident and emergency, maternity, elderly care, stroke, trauma, orthopaedics and gynaecology.

South London and Maudsley provides hospital and community-based mental health and substance misuse services to people of all ages.

Specialist services

Specialist services are provided to up to five million people across Southern England and internationally.

Guy's and St Thomas' and **King's College Hospital** provide specialist services in cancer, haemato-oncology, renal, urology, dental and cardiac services.

Guy's and St Thomas' offers specialist children's services, critical care services, dermatology, genetics, lupus, specialist respiratory services and thoracic surgery, whilst **King's College Hospital** is a leading centre for fetal medicine, neurosciences and liver, and a Department of Health accredited centre for day surgery innovation and training.

South London and Maudsley provides the most extensive range of specialist mental health services in the UK, including child and adolescent mental health, behavioural disorders, eating disorders, psychosis and perinatal care.






Commitment to local people and communities

Serving a local population of over two million people in south London, which is projected to grow significantly over the next decade, there is considerable diversity and inequality in health outcomes. We need to address the inequalities by using our resources to maximum effect.

We will focus on effectiveness and efficiency to release resources to deliver better services. Working with stakeholders, we will strive to enhance healthy lifestyles, to address public health issues and to create a sustainable and affordable healthcare system that will benefit all.

Health in south east London

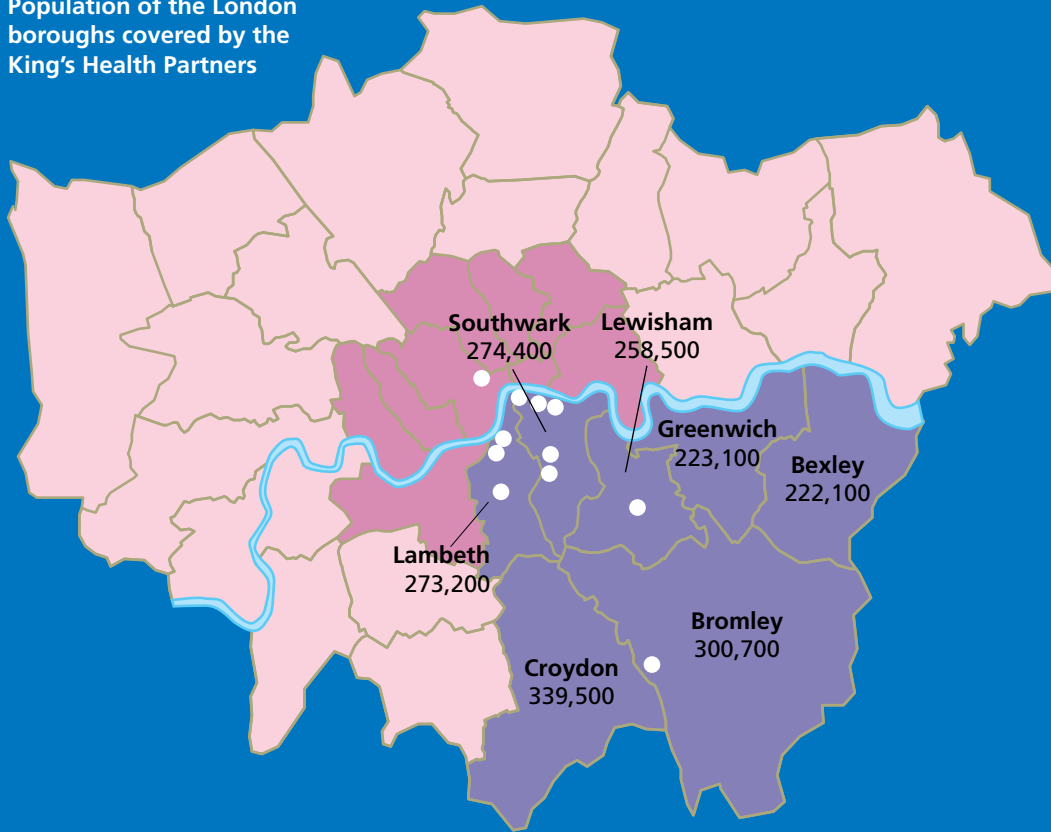
Health indicator	Southwark	Bexley	Lewisham	Greenwich	Croydon	Bromley	Lambeth
Binge drinking adults	Worse	Better	In line	In line	Better	Better	Worse
Deaths from smoking	Worse	Better	Worse	Worse	Better	Better	Worse
Drug misuse	Worse	Better	Worse	In line	Better	Better	Worse
Cancer	Worse	In line	Worse	Worse	Better	Better	Worse
Heart disease & stroke	Worse	Better	Worse	Worse	In line	Better	Worse
Healthy eating adults	In line	Worse	Worse	Worse	In line	Better	Better
Hospital stays due to alcohol	Worse	Better	Worse	In line	In line	Better	Worse
Infant mortality	Worse	In line	In line	In line	Worse	Better	Worse
Life expectancy	Worse	Better	Worse	Worse	In line	Better	Worse
Mental illness	Worse	Better	Worse	Worse	In line	Better	Worse
Obese adults	Worse	Worse	Worse	Worse	Worse	Better	In line
Obese children	Worse	Better	In line	Better	In line	Better	Worse
Physically active adults	In line	Worse	In line	Worse	Worse	In line	Better
Teenage pregnancy	Worse	Better	Worse	Worse	Worse	Better	Worse
Tuberculosis	Worse	Better	Better	In line	Better	Better	Worse
Violent crime	Worse	Better	Worse	Worse	Better	Better	Worse

 Worse than London average
 In line with London average
 Better than London average

Source:
Department of Health Community Health Profiles 2009

Our Community

Population of the London boroughs covered by the King's Health Partners



Key

- Core catchment areas
- Other inner London boroughs
- Other outer London boroughs
- King's Health Partner sites

● King's Health Partners sites

Hospital sites

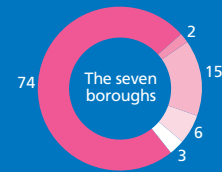
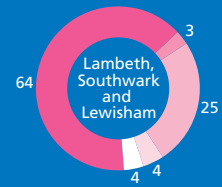
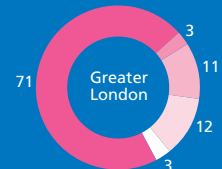
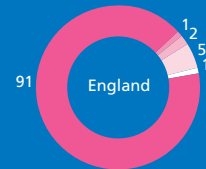
- Guy's Hospital
- St Thomas' Hospital
- King's College Hospital
- The Maudsley Hospital
- The Bethlem Royal Hospital

University sites

- Guy's Campus
- Denmark Hill Campus
- St Thomas' Campus
- Waterloo Campus
- Strand Campus

Population broken down by ethnicity (%)

King's Health Partners serve a large, ethnically diverse population characterised by significant health inequalities across seven London boroughs: Lambeth, Southwark, Lewisham, Croydon, Bromley, Bexley and Greenwich.



- White
- Chinese
- Black
- Asian
- Mixed

Source: Office for National Statistics April 2001

Research in action



Our strong focus on translational research and cross-cutting disciplines aims to accelerate the translational pathway, transferring the latest research into improved patient care. Serving the uniquely diverse patient population of London and the south east enables us to drive research forward into a wide range of diseases and medical conditions.





Cardiac innovation

Our specialist clinical cardiac units at Guy's and St Thomas' hospitals and King's College Hospital are pioneering minimally invasive aortic valve replacement.

Transapical aortic valve replacement involves a heart valve prosthesis being implanted by a cardiac surgeon using keyhole surgery, so avoiding the need for open heart surgery in many patients. Minimally invasive aortic valve replacement can take place through the apex of the heart or through a leg (femoral) artery.

Collectively we now provide the largest transapical aortic valve replacement service in the UK.

Respiratory health

We are currently undertaking an innovative study into the links between air pollution and vitamin D deficiency, and their impact on the respiratory health of children, initially in east London.

The EXHALE programme, (Exploration of Health and Lungs in the Environment) involves researchers and clinicians from our comprehensive Biomedical Research Centre, the Medical Research Centre Asthma UK Centre in Allergic Mechanisms of Asthma, and Barts and The London School of Medicine and Dentistry.

Children from Tower Hamlets are being studied to better understand the effects of traffic emission reduction, using comparative pollution and respiratory health data from before and after the introduction of the Low Emission Zone. The findings will help to inform government policies locally, nationally and internationally, and should lead to real advances in the understanding of asthma and the clinical care we deliver to our patients.

Dementia care

At the moment, only one third of people with dementia in the UK receive an accurate diagnosis, and often when it is too late to prevent the illness from doing harm. We are developing new services which are designed to get help to people at a much earlier stage. We are undertaking research to understand the causes of dementia so that we can develop better treatments.

Building a world-class team



With over 25,000 staff and 19,500 students, King's Health Partners is one of the largest centres of healthcare, research and training in Europe.

We train a wider range of healthcare professionals than any other organisation in the UK – not just doctors, but also dentists, nurses, physiotherapists, pharmacists and dietitians amongst others.

From our multiple locations we are uniquely placed to translate ground-breaking research into direct patient benefits for the population of one the world's largest and most diverse cities.

We are the largest employer in our community, attracting the best academics, clinicians, staff and students to pioneer world-leading advances in health and well-being.

King's Health Partners offers unique opportunities for all staff to develop their careers, to maximise their potential and to make lasting contributions.



“We recognise the importance of education and training for the future of our healthcare workforce, for current and future students, in the development of our local community, and in bringing about improved patient care.”

Education and training for the benefit of patients



Our **Education Academy** will oversee the education and training activities of King's Health Partners to ensure consistent standards of excellence, with an emphasis placed on scholarship, professionalism, communication and leadership.

We already provide a comprehensive range of undergraduate and postgraduate courses. Further to this, King's Health Partners is developing additional continuing professional development courses, learning packages in emerging subject areas, and life-long and e-learning packages.

Our programmes support learners from a diverse range of social, cultural and academic backgrounds. Our extended medical degree programme links with local schools to provide 50 places per year to students who would otherwise not be able to undertake a medical degree.

King's Health Partners is now a partner member of the South London Health Innovation and Education Cluster (HIEC). A new government funded network aimed at delivering high quality patient care through better training of clinicians and faster translation and adoption of research and innovation.

The collaboration led by King's Health Partners and the South West London Academic Health and Social Care Network brings together around 30 organisations which includes all south London's primary care and mental health trusts, 17 NHS hospitals, the London Ambulance Service and the local Health Protection Unit, as well as six universities, further education providers and social care teams.



Translating ground-breaking research into direct patient benefits



Translational research opportunities for scientists and clinicians

King's Health Partners brings together research expertise in a comprehensive range of scientific areas, clinical specialties and sub-specialties. The range of our research and expertise is unique.

The **Basic Science Institute** carries out core research supporting specialist areas.

The **Basic Science Institute** aims to sustain and develop areas of international excellence in basic research. Basic science cuts across single disease areas and focuses on processes and mechanisms common to many disease states. It underpins a large range of clinical specialties.

Our monthly Biomedical Forum brings together leading practitioners to share experience and progress.

Strengths in neuroscience, psychiatry and mental health, complemented by disciplines such as medical and molecular genetics, public health sciences and imaging, mean that we deliver better health and well-being for the mind and body – for the whole person.

Within King's Health Partners new **Clinical Academic Groups** are bringing together the management of academics, researchers, clinicians and resources whose work is focused on a single specialty or group of specialties.



The UK's most comprehensive range of research organisations

King's Health Partners is the only organisation in the UK that brings together all three types of Research Centre, as defined by the National Institute for Health Research.

The comprehensive Biomedical Research Centre, the Patient Safety and Service Quality Research Centre and the Biomedical Research Centre for Mental Health (the only one of its kind in the UK) are fully funded for five years.

With global reach

We are a member of the Global Medical Excellence Cluster and are already undertaking a range of international projects including:

- The Global Child Dental Health taskforce
- 10/66 Dementia Research Group
- Cecily Saunders Institute World Health Organisations
- THET at King's Health Partners

We have formed The Centre for Global Mental Health (CGMH), in partnership with the London School of Hygiene and Tropical Medicine. The CGMH will comprise the largest programme of international mental health research in the UK and aims to establish a centre of excellence fostering research and capacity building in policy, prevention, treatment and care of mental illness worldwide.



Working with industry

King's Health Partners brings the benefits of translational research to our local populations through our specialist Local Research Networks.

Our **Joint Clinical Trials Office** is already established with a team dedicated to overseeing the contracting, pricing, initiation, delivery, quality, training and performance of commercial clinical trials.

We host the only Wyeth Early Clinical Development Centre in Europe. We are developing a relationship with Pfizer, for whom we are the London local Russell Group University, and are currently discussing establishment of a laboratory at Guy's, focused initially on pain research. We also have strong and growing links with GlaxoSmithKline, for whom we are one of the top four academic partners in the UK.

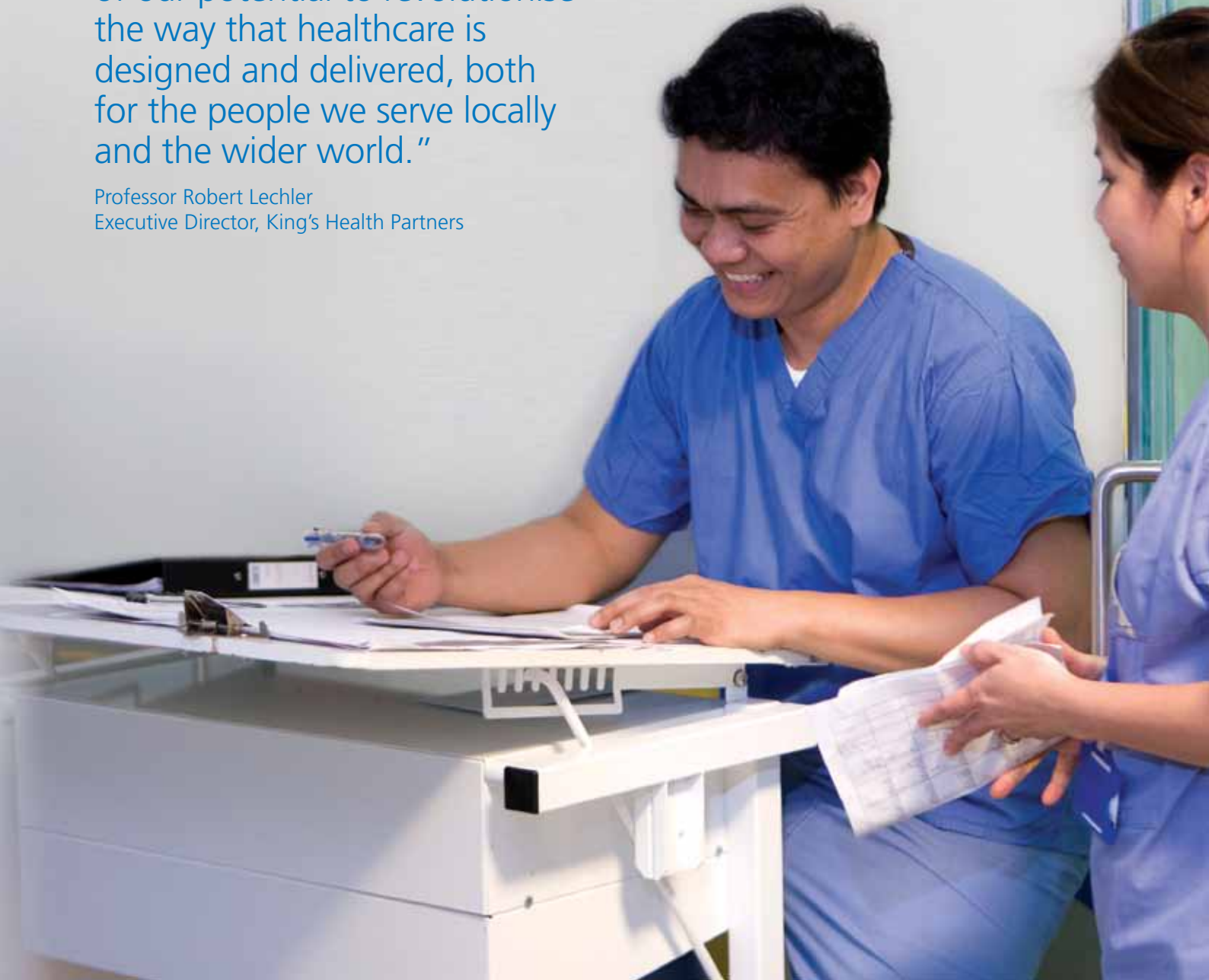
In partnership with Quintiles, the largest contract research organisation in the world, we are opening a new unit focusing on commercial trials at Guy's Hospital.

The Guy's facility will house a Good Manufacturing Practice (GMP) facility, enabling researchers to safely control and manage the manufacture and testing of novel cell and protein therapies.

We also have a range of Clinical Research Facilities open or under construction at each of our major hospital sites. These state of the art facilities should encourage more patients and volunteers to participate in clinical studies, while providing the space for health professionals and scientific colleagues to work together and ensure medical breakthroughs benefit the patients at the earliest possible opportunity.

“Our challenge is to make full use of our potential to revolutionise the way that healthcare is designed and delivered, both for the people we serve locally and the wider world.”

Professor Robert Lechler
Executive Director, King's Health Partners



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