

Metabolic Medicine

Doctors in [metabolic](#) ^[1] medicine treat patients whose chemical processes do not function properly and who may have various health problems as a result.

Your patients will have a wide range of common and rare conditions, for example diabetes, kidney stones, lipid metabolism and inborn errors of metabolism such as phenylketonuria.



Life as a doctor in [metabolic](#) ^[1] medicine

[Metabolic](#) ^[1] medicine is a relatively new specialty (it's a sub-specialty of chemical pathology) and provides excellent opportunities for research.

You could choose to study it together with general internal medicine, but most doctors decide on chemical pathology as their specialty. The clinical work of [metabolic](#) ^[1] medicine complements the laboratory work of chemical pathology. Whatever specialty you choose, you'll work closely with your hospital's biochemistry laboratory.

If you decide on chemical pathology as your specialty, you'll see patients with conditions within specific areas of [metabolic](#) ^[1] medicine, predominately as outpatients.

You'll have the opportunity to run a hospital biochemistry laboratory where you'll spend most of your time ensuring high quality laboratory testing, interpreting results and liaising with colleagues in primary and [secondary care](#) ^[2]. Collaboration with colleagues in other specialties is a must.

In a typical week, you'll hold up to three outpatient clinics for a range of conditions, for example diabetes, [cardiovascular](#) ^[3] risk and renal stone disease

If you choose general medicine as your specialty, you'll treat patients with inherited diseases.

Common procedures and interventions include:

- drug treatments such as insulin and lipid-regulating drugs
- enzyme replacement therapies for inherited [metabolic](#) ^[1] diseases

- [bariatric surgery](#) ^[4] for obesity, such as gastric bypass surgery – where [metabolic](#) ^[1] medicine physicians will work closely with bariatric surgeons
- provision of nutritional support via percutaneous gastrostomies (PEG, an endoscopic procedure) or [parenteral nutrition](#) ^[5] (TPN)
- [cardiovascular](#) ^[3] risk testing, e.g. for patients with high cholesterol
- use of new biologic treatments for cholesterol disorders
- dynamic tests or 'stress tests' for a wide range of conditions

How much can I earn?

You'll first earn a salary when you start your [foundation training](#) ^[6] after medical school. Find out details of current salary ranges for foundation and specialty training, [SAS doctors](#) ^[7] and consultants on the [Pay for doctors](#) ^[8] page.

How about the benefits?

- make a difference
- flexible and part-time working
- high income early in your career
- work anywhere in the world
- excellent pension scheme
- good holiday entitlement
- NHS discounts in shops and restaurants

Must-have skills

- excellent communication skills to manage a wide range of relationships with colleagues, and patients and their families
- emotional resilience, a calm temperament and the ability to work well under pressure
- teamwork and the capacity to lead multidisciplinary teams
- problem-solving and diagnostic skills
- outstanding organisational ability and effective decision-making skills
- first-class time and resource management for the benefit of patients

In addition, doctors in [metabolic](#) ^[1] medicine need to demonstrate:

- a strong interest in biochemistry and metabolism
- a familiarity with research methods and a willingness to keep up to date with research and advances in treatment

Entry requirements

Your first step is medical school. Typically, you'll need excellent GCSEs and three A or A* passes at A level including chemistry for a five-year undergraduate degree in medicine. Many medical schools also ask for biology and others may require maths or physics.

If you already have a degree, you could study for a four-year postgraduate degree in medicine.

You'll need to pass an interview and admissions test. You'll be asked to show how you demonstrate the NHS values such as compassion and respect.

Some medical schools look to recruit a mix of students from different backgrounds and geographical areas, so your educational and economic background and family circumstances could be considered as part of your application.

"The patient contact is the part I enjoy the most. I love my clinics. I also enjoy carrying out research as it means that you can actually drive and develop the treatments that your patients receive in clinic."

[Read Jaimini's story](#) ^[9].

What are my chances of starting a career as a doctor in metabolic ^[1] medicine?

In 2016, there were 15 consultants in metabolic ^[1] medicine in the NHS in England. In 2020, there were 23 applications for 12 training places.

How to become a doctor in metabolic ^[1] medicine

After medical school, you'll join the paid two-year foundation programme ^[10] where you'll work in six placements in different settings.

After your foundation programme, you can apply for paid specialty training ^[11] to become a doctor in metabolic ^[1] medicine, which will take a minimum of seven years.

You may be able to train part time, for example for health reasons or if you have family or caring responsibilities.

Where a career as a doctor in metabolic ^[1] medicine can take you

You could:

- specialise or conduct research
- teach medical students or postgraduate students in training
- get involved in research at universities, the NHS or private sector

- **Live vacancies**

Find a vacancy

Enter your location or postcode

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- **Consultant Chemical Pathologist with Metabolic Medicine**

Dudley, DY1 2HQ

Salary:

£105504.00 to £139882.00

Type:

Permanent

Employer:

The Dudley Group NHS Foundation Trust

[Apply now on NHS Jobs for Consultant Chemical Pathologist with Metabolic Medicine job \(opens in a new window\)](#) ^[12]

- **Locum Consultant in Diabetes & Metabolism**

London, E1 1BB

Salary:

£105504.00 to £139882.00

Type:

Locum

Employer:

Barts Health NHS Trust

[Apply now on NHS Jobs for Locum Consultant in Diabetes & Metabolism job \(opens in a new window\)](#) ^[13]

- **Advanced Biomedical Scientist - Inherited Metabolic Disease**

Leeds, LS9 7TF

Salary:

£47810.00 to £54710.00

Type:

Permanent

Employer:

Leeds Teaching Hospitals

[Apply now on NHS Jobs for Advanced Biomedical Scientist - Inherited Metabolic Disease job \(opens in a new window\)](#) ^[14]

- **Consultant Haematologist, Biochemistry/ Metabolic Diseases Interests**

London, SE5 9RS

Salary:

£109725.00 to £145478.00

Type:

Permanent

Employer:

King's College Hospital NHS Foundation Trust

[Apply now on NHS Jobs for Consultant Haematologist, Biochemistry/ Metabolic Diseases Interests job \(opens in a new window\)](#) ^[15]

- **Specialist Dietitian for Adult Inherited Metabolic Disorders**

Sheffield, S5 7AU

Salary:

£47810.00 to £54710.00

Type:

Permanent

Employer:

Sheffield Teaching Hospitals NHS Foundation Trust

[Apply now on NHS Jobs for Specialist Dietitian for Adult Inherited Metabolic Disorders job \(opens in a new window\)](#) ^[16]

- **Specialist Doctor in Elderly Medicine**

Wakefield, WF14DG

Salary:

£100870.00 to £111441.00

Type:

Permanent

Employer:

The Mid Yorkshire Teaching NHS Trust

[Apply now on NHS Jobs for Specialist Doctor in Elderly Medicine job \(opens in a new window\)](#) ^[17]

- **Specialist Doctor in Stroke Medicine**

Wakefield, WF14DG

Salary:

£100870.00 to £111441.00

Type:

Fixed-Term

Employer:

The Mid Yorkshire Teaching NHS Trust
[Apply now on NHS Jobs for Specialist Doctor in Stroke Medicine job \(opens in a new window\)](#) ^[18]

- **Specialty Doctor in Stroke Medicine**

Redhill, RH1 5RH

Salary:

£61542.00 to £99216.00

Type:

Fixed-Term

Employer:

Surrey and Sussex Healthcare NHS Trust

[Apply now on NHS Jobs for Specialty Doctor in Stroke Medicine job \(opens in a new window\)](#) ^[19]

- **Specialty Doctor in Emergency Medicine**

King's Lynn, PE30 4ET

Salary:

£61542.00 to £99216.00

Type:

Permanent

Employer:

The Queen Elizabeth Hospital King's Lynn NHSFT

[Apply now on NHS Jobs for Specialty Doctor in Emergency Medicine job \(opens in a new window\)](#) ^[20]

- **Specialty Doctor in Palliative Medicine**

Newcastle upon Tyne, NE7 7DN

Salary:

£59175.00 to £95400.00

Type:

Permanent

Employer:

The Newcastle upon Tyne Hospitals NHS Foundation Trust

[Apply now on NHS Jobs for Specialty Doctor in Palliative Medicine job \(opens in a new window\)](#) ^[21]

- **Specialty Doctor - Palliative Medicine**

Dorchester, DT1 2SL

Salary:

Negotiable

Type:

Permanent

Employer:

Weldmar Hospicecare

[Apply now on NHS Jobs for Specialty Doctor - Palliative Medicine job \(opens in a new window\)](#) ^[22]

- **Trust Doctor in Emergency Medicine (ST1)**

Ashford, TN24 0LZ

Salary:

£49909.00

Type:

Fixed-Term

Employer:

East Kent Hospitals University NHS Foundation Trust

[Apply now on NHS Jobs for Trust Doctor in Emergency Medicine \(ST1\) job \(opens in a new window\)](#) ^[23]

- **Trust Grade Doctor in Elderly Medicine**

London, W6 8RF

Salary:

Negotiable

Type:

Fixed-Term

Employer:

Imperial College Healthcare NHS Trust

[Apply now on NHS Jobs for Trust Grade Doctor in Elderly Medicine job \(opens in a new window\)](#) ^[24]

- **Specialist Pharmacist - Adult Inherited Metabolic Disease and D&E**

London, SE1 7EH

Salary:

£64156.00 to £71148.00

Type:

Fixed-Term

Employer:

Guy's and St Thomas' NHS Foundation Trust

[Apply now on NHS Jobs for Specialist Pharmacist - Adult Inherited Metabolic Disease and D&E job \(opens in a new window\)](#) ^[25]

- **Locally Employed Doctor in Emergency Medicine ST4+**

Carlisle, CA2 7HY

Salary:

£61825.00 to £70425.00

Type:

Fixed-Term

Employer:

North Cumbria Integrated Care NHS Foundation Trust

[Apply now on NHS Jobs for Locally Employed Doctor in Emergency Medicine ST4+ job \(opens in a new window\)](#) ^[26]

- **Senior Locally Employed Doctor in Respiratory Medicine**

Manchester, M23 9LT

Salary:

£61825.00

Type:

Fixed-Term

Employer:

Manchester University NHS Foundation Trust

[Apply now on NHS Jobs for Senior Locally Employed Doctor in Respiratory Medicine job \(opens in a new window\)](#) ^[27]

- **Senior Locally Employed Doctor in Renal Medicine**

Manchester, M139WL

Salary:

£61825.00

Type:

Fixed-Term

Employer:

Manchester University NHS Foundation Trust

[Apply now on NHS Jobs for Senior Locally Employed Doctor in Renal Medicine job \(opens in a new window\)](#) ^[28]

- **Junior Locally Employed Doctor in Paediatric General Medicine**

Wythenshawe, M23 9LT

Salary:

£49909.00

Type:

Fixed-Term

Employer:

Manchester University NHS Foundation Trust

[Apply now on NHS Jobs for Junior Locally Employed Doctor in Paediatric General Medicine job \(opens in a new window\)](#) ^[29]

- **Specialty Doctor/Clinical Fellow in Palliative Medicine**

Romford, RM4 1QH

Salary:

Negotiable

Type:

Fixed-Term

Employer:

Saint Francis Hospice

[Apply now on NHS Jobs for Specialty Doctor/Clinical Fellow in Palliative Medicine job \(opens in a new window\)](#) ^[30]

- **Locally Employed Doctor (Standard) - Emergency Medicine HGS**

Sutton Coldfield, B75 7RR

Birmingham, B9 5SS

Salary:

£52656.00

Type:

Fixed-Term

Employer:

University Hospitals Birmingham NHS Foundation Trust

[Apply now on NHS Jobs for Locally Employed Doctor \(Standard\) - Emergency Medicine HGS job \(opens in a new window\)](#) ^[31]

- **Trust Doctor (ST3 equivalent) in General Medicine**

Worthing, BN11 2DH

Salary:

£41750.00 to £64288.00

Type:

Fixed-Term

Employer:

University Hospitals Sussex NHS Foundation Trust (279)

[Apply now on NHS Jobs for Trust Doctor \(ST3 equivalent\) in General Medicine job \(opens in a new window\)](#) ^[32]

- **Trust Doctor in Acute General Medicine IMT 3/ST3 – ST5**

Oxford, OX3 9DU

Salary:

£61825.00

Type:

Fixed-Term

Employer:

Oxford University Hospitals NHS Foundation Trust

[Apply now on NHS Jobs for Trust Doctor in Acute General Medicine IMT 3/ST3 – ST5 job \(opens in a new window\)](#) ^[33]

- **Clinical Fellow Trust Doctor in Emergency Medicine with Spec. Interest**

Worthing, BN11 2DH

Salary:

£37068.00 to £57570.00

Type:

Fixed-Term

Employer:

University Hospitals Sussex NHS Foundation Trust (279)

[Apply now on NHS Jobs for Clinical Fellow Trust Doctor in Emergency Medicine with Spec. Interest job \(opens in a new window\)](#) ^[34]

- **Locally Employed Doctor (Higher) in Emergency Medicine QEHB**

Birmingham, B15 2TH

Salary:

£61825.00

Type:

Fixed-Term

Employer:

University Hospitals Birmingham NHS Foundation Trust

[Apply now on NHS Jobs for Locally Employed Doctor \(Higher\) in Emergency Medicine QEHB job \(opens in a new window\)](#) ^[35]

- **Locally Employed Doctor (Higher) in Respiratory Medicine - QEHB**

Birmingham, B15 2TH

Salary:

£61825.00

Type:

Fixed-Term

Employer:

University Hospitals Birmingham NHS Foundation Trust

[Apply now on NHS Jobs for Locally Employed Doctor \(Higher\) in Respiratory Medicine - QEHB job \(opens in a new window\)](#) ^[36]

- **Consultant in Respiratory Medicine (Chest Medicine)**

Dartford, DA2 8DA

Salary:

£109725.00 to £145478.00

Type:

Permanent

Employer:

Dartford and Gravesham NHS Trust
[Apply now on NHS Jobs for Consultant in Respiratory Medicine \(Chest Medicine\) job \(opens in a new window\)](#) ^[37]

- **Palliative Medicine Consultant**

Salisbury, SP2 8BJ

Salary:

£105504.00 to £139882.00

Type:

Permanent

Employer:

Salisbury NHS Foundation Trust

[Apply now on NHS Jobs for Palliative Medicine Consultant job \(opens in a new window\)](#) ^[38]

- **Medicines Management Dietician**

TBC, SY16 2DW

Salary:

£48527.00 to £55532.00

Type:

Permanent

Employer:

Powys Teaching Health Board

[Apply now on NHS Jobs for Medicines Management Dietician job \(opens in a new window\)](#) ^[39]

- **Medicines Management Administrator**

London, SE50BB

Salary:

£12.44

Type:

Permanent

Employer:

Nexus Health Group

[Apply now on NHS Jobs for Medicines Management Administrator job \(opens in a new window\)](#) ^[40]

- **Consultant - General Medicine**

Slough, SL2 4HL

Salary:

£105504.00 to £139882.00

Type:

Fixed-Term

Employer:

Frimley Health NHS Foundation Trust

[Apply now on NHS Jobs for Consultant - General Medicine job \(opens in a new window\)](#) ^[41]

- **Medicines Management Technician**

Liverpool, L9 7AL

Salary:

£29970.00 to £36483.00

Type:

Permanent

Employer:

Liverpool University Hospitals NHS Foundation Trust

[Apply now on NHS Jobs for Medicines Management Technician job \(opens in a new window\)](#) ^[42]

- **Acute Medicine Consultant**

Stoke on Trent, ST4 6QG

Salary:

£105504.00 to £139882.00

Type:

Permanent

Employer:

University Hospital of North Midlands NHS Trust

[Apply now on NHS Jobs for Acute Medicine Consultant job \(opens in a new window\)](#) ^[43]

- **Consultant - Acute Medicine**

Truro, TR1 3LJ

Salary:

£105504.00 to £139882.00

Type:

Permanent

Employer:

Royal Cornwall Hospitals Trust

[Apply now on NHS Jobs for Consultant - Acute Medicine job \(opens in a new window\)](#) ^[44]

- **Acute Medicine Consultant**

Nuneaton, CV10 7DJ

Salary:

£105504.00 to £139882.00

Type:

Permanent

Employer:

George Eliot Hospital NHS Trust

[Apply now on NHS Jobs for Acute Medicine Consultant job \(opens in a new window\)](#) ^[45]

- **Consultant Palliative Medicine**

Romford, RM7 0AG

Salary:

£105504.00 to £139882.00

Type:

Permanent

Employer:

Barking, Havering and Redbridge University Hospitals NHS Trust

[Apply now on NHS Jobs for Consultant Palliative Medicine job \(opens in a new window\)](#) ^[46]

- **Medicines Co-ordinator**

Leyland, PR25 1HR

Salary:

£13.50 to £14.50

Type:

Permanent

Employer:

Worden Medical Centre

[Apply now on NHS Jobs for Medicines Co-ordinator job \(opens in a new window\)](#) ^[47]

- **Medicines Management Lead**

Nottingham, NG12 4GA

Salary:

Negotiable

Type:

Permanent

Employer:

Spire Healthcare Ltd

[Apply now on NHS Jobs for Medicines Management Lead job \(opens in a new window\)](#) ^[48]

- **Consultant Physician - Geriatric Medicine**

Stockport, SK2 7JE

Salary:

£105504.00 to £139882.00

Type:

Permanent

Employer:

Stockport NHS Foundation Trust

[Apply now on NHS Jobs for Consultant Physician - Geriatric Medicine job \(opens in a new window\)](#) ^[49]

- **Consultant in Stroke Medicine**

Derby, DE22 3NE

Salary:

£109725.00 to £145478.00

Type:

Permanent

Employer:

University Hospitals of Derby and Burton NHS Foundation Trust

[Apply now on NHS Jobs for Consultant in Stroke Medicine job \(opens in a new window\)](#) ^[50]

- **Consultant in Respiratory Medicine**

Redditch, B987UB

Salary:

£109725.00 to £145478.00

Type:

Permanent

Employer:

Worcestershire Acute Hospitals NHS Trust

[Apply now on NHS Jobs for Consultant in Respiratory Medicine job \(opens in a new window\)](#) ^[51]

- **Consultant in Emergency Medicine**

Tooting, SW170QT

Salary:

£109725.00 to £145478.00

Type:

Permanent

Employer:

St George's University Hospitals NHS Foundation Trust

[Apply now on NHS Jobs for Consultant in Emergency Medicine job \(opens in a new window\)](#) ^[52]

- **Clinical Specialist Nuclear Medicine**

Bebington, CH63 4JY

Salary:

£47810.00 to £54710.00

Type:

Permanent

Employer:

The Clatterbridge Cancer Centre NHSFT

[Apply now on NHS Jobs for Clinical Specialist Nuclear Medicine job \(opens in a new window\)](#) ^[53]

- **Highly Specialist Pharmacist - Medicine**

Isleworth, TW7 6AF

Salary:

£61631.00 to £68623.00

Type:

Fixed-Term

Employer:

Chelsea and Westminster Hospital NHS Foundation Trust

[Apply now on NHS Jobs for Highly Specialist Pharmacist - Medicine job \(opens in a new window\)](#) ^[54]

- **Senior Pharmacist - Medicines Advice**

London, SE1 9RT

Salary:

£56276.00 to £63176.00

Type:

Fixed-Term

Employer:

Guy's and St Thomas' NHS Foundation Trust

[Apply now on NHS Jobs for Senior Pharmacist - Medicines Advice job \(opens in a new window\)](#) ^[55]

- **Medicines Management Lead Pharmacist**

Salford, M6 8AQ

Salary:

Negotiable

Type:

Permanent

Employer:

Ramsay Health Care UK Operations Limited

[Apply now on NHS Jobs for Medicines Management Lead Pharmacist job \(opens in a new window\)](#) ^[56]

- **Medicines Management Pharmacy Technician**

Penarth, CF64 2XX

Salary:

£27898.00 to £38364.00

Type:

Permanent

Employer:

Cardiff and Vale University Health Board

[Apply now on NHS Jobs for Medicines Management Pharmacy Technician job \(opens in a new window\)](#) ^[57]

- **CONSULTANT IN PALLIATIVE MEDICINE**

Stoke on Trent, ST4 6QG

Salary:

£109725.00 to £145478.00

Type:

Permanent

Employer:

University Hospital of North Midlands NHS Trust

[Apply now on NHS Jobs for CONSULTANT IN PALLIATIVE MEDICINE job \(opens in a new window\)](#) ^[58]

- **Prescription Clerk/Medicines Administrator**

Burnley, BB10 3BF

Burnley, BB10 1LZ

Salary:

Negotiable

Type:

Permanent

Employer:

Thursby Surgery

[Apply now on NHS Jobs for Prescription Clerk/Medicines Administrator job \(opens in a new window\)](#) ^[59]

- **Midwife - Fetal Medicine Specialist**

AYLESBURY, HP218AL

Salary:

£38682.00 to £46580.00

Type:

Permanent

Employer:

Buckinghamshire Healthcare NHS Trust

[Apply now on NHS Jobs for Midwife - Fetal Medicine Specialist job \(opens in a new window\)](#) ^[60]

- **Consultant in Stroke Medicine**

Lincoln, LN2 5QY

Salary:

£105504.00 to £139882.00

Type:

Permanent

Employer:

United Lincolnshire Hospitals NHS Trust

[Apply now on NHS Jobs for Consultant in Stroke Medicine job \(opens in a new window\)](#) ^[61]

- **Consultant in Acute Medicine**

Pontyclun, CF72 8XR

Salary:

£110240.00 to £160951.00

Type:

Permanent

Employer:

Cwm Taf Morgannwg University Health Board

[Apply now on NHS Jobs for Consultant in Acute Medicine job \(opens in a new window\)](#) ^[62]

- **Consultants in Respiratory Medicine**

Smethwick, B66 2QT

Salary:

£105504.00 to £139882.00

Type:

Permanent

Employer:

Sandwell and West Birmingham NHS Trust

[Apply now on NHS Jobs for Consultants in Respiratory Medicine job \(opens in a new window\)](#) ^[63]

- **Consultant in Acute Medicine**

Nottingham, NG7 2UH

Salary:

£105504.00 to £139882.00

Type:

Permanent

Employer:

Nottingham University Hospitals NHS Trusts

[Apply now on NHS Jobs for Consultant in Acute Medicine job \(opens in a new window\)](#) ^[64]

- **Specialist in Acute Medicine**

Yeovil, BA21 4AT

Salary:

£96990.00 to £107155.00

Type:

Permanent

Employer:

Somerset NHS Foundation Trust

[Apply now on NHS Jobs for Specialist in Acute Medicine job \(opens in a new window\)](#) ^[65]

- **Divisional Medical Director - Medicine**

Derby, DE22 3NE

Salary:

£109725.00 to £145478.00

Type:

Permanent

Employer:

University Hospitals of Derby and Burton NHS Foundation Trust

[Apply now on NHS Jobs for Divisional Medical Director - Medicine job \(opens in a new window\)](#) ^[66]

- **Consultant in Palliative Medicine**

London, SE5 9RS

Salary:

£109725.00 to £145478.00

Type:

Permanent

Employer:

King's College Hospital NHS Foundation Trust

[Apply now on NHS Jobs for Consultant in Palliative Medicine job \(opens in a new window\)](#) ^[67]

- **Consultant in Stroke Medicine**

Swindon, SN3 6BB

Salary:

£105504.00 to £139882.00

Type:

Permanent

Employer:

Great Western Hospitals NHS Foundation Trust

[Apply now on NHS Jobs for Consultant in Stroke Medicine job \(opens in a new window\)](#) ^[68]

- **Consultant in Palliative Medicine**

Cambridge, CB2 0QQ

Salary:

£109725.00 to £145478.00

Type:

Permanent

Employer:

Cambridge University Hospital NHS Foundation Trust

[Apply now on NHS Jobs for Consultant in Palliative Medicine job \(opens in a new window\)](#) ^[69]

- **Further information**

These organisations have further information about being a doctor in [metabolic](#) ^[1] medicine, particularly as your career progresses. Take a look.

[British Inherited Metabolic Diseases Group](#) ^[70]

[Royal College of Pathologists](#) ^[71]

[Royal College of Physicians](#) ^[72]

[Royal College of Physicians of Edinburgh](#) ^[73]

[Royal College of Physicians and Surgeons of Glasgow](#) ^[74]

[Joint Royal College of Physicians Training Board \(JRCPTB\)](#) ^[75]

[The Pathological Society of Great Britain and Ireland](#) ^[76]

Other roles that may interest you

- [Chemical pathology](#) ^[77]
- [General internal medicine](#) ^[78]

- [Immunology](#) [79]
- [Medical microbiology and virology \(doctor\)](#) [80]

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