

Compare roles in health

Not sure where to start with the hundreds of NHS careers? Use our compare roles section to get bite-size information on the entry requirements and training, pay and conditions, prospects and skills needed of up to three roles. If there is something that you think you could do, then get more in-depth information on the role.

Don't forget, you can also save your role comparisons by registering with us.

• Clinical genetics ^[1]

Clinical geneticists diagnose and look after families with genetic disorders.

Training and qualifications required

Training usually starts with a five year first degree in medicine. Then there's two years foundation doctor training, two years core training (CT1-CT2), followed by four years specialists training (ST3-ST6). This period of training will include your royal college exams. Length of training can vary according to your circumstances.

Expected working hours and salary range

Doctors may work up to 48 hours a week. The working hours may sometimes extend beyond the normal working day to include early mornings, evenings and weekends. You'll first earn a salary when you start your foundation training after medical school. The basic salary ranges from £29,384 to £34,012. Once you start your specialty training as a clinical geneticist employed by the NHS, you can expect to earn a salary of at least £40,257, which can increase to between £84,559 and £114,003 as a consultant.

Desirable skills and values

You'll need excellent communication skills to manage a wide range of relationships with colleagues, and patients and their families. You'll be emotionally resilient, have excellent problem-solving and diagnostic skills and work well in teams and under pressure. You'll also be very organised for the benefit of patients.

Prospects

There are currently 147 clinical geneticists working in the NHS in England. In 2020, there were 40 applications for 13 specialty training places. You could progress to specialise in cancer genetics, cardiac genetics or dysmorphology.

Related roles

- Palliative medicine [2]
- Paediatrician [3]
- Medical oncology [4]
- Cardiologist [5]

• Infection sciences [6]

Infection science focuses on such areas as clinical microbiology, immunology, parasitology and virology.

Training and qualifications required

There are two entry points - with A-levels in at least two subjects (including science) or equivalent level-3 qualifications to apply for an accredited BSc degree in healthcare science (infection sciences) to enter the NHS Practitioner Training Programme (PTP) or through the NHS Scientist Training Programme (STP) for which you'll need a 1st or 2.1 either in an undergraduate honours degree or an integrated master's degree in a relevant pure or applied science subject. If you have a relevant 2.2 honours degree, you'll also be considered if you have a higher degree in a subject relevant to the specialism for which you are applying.

Evidence of research experience is desirable

Expected working hours and salary range

NHS staff will usually work a standard 37.5 hours per week. They may work a shift pattern. Most jobs in the NHS are covered by the Agenda for Change (AfC) pay scales. If you work in infection sciences, you will typically be in a post between AfC bands 5 and 9, depending on the precise role and level of responsibility. As a healthcare science practitioner, you'd usually start on band 5, with opportunities to progress to more senior positions. Trainee clinical scientists train at band 6 level, and qualified clinical scientists are generally appointed at band 7. With experience and further qualifications, you could apply for posts up to band 9. Terms and conditions of service can vary for employers outside the NHS.

Desirable skills and values

An interest in science and technology, good communication skills, comfortable using modern technology and complex equipment, attention to detail, good interpersonal skills and able to work as part of a team.

Prospects

With further training or experience or both, you may be able to develop your career further and apply for vacancies in areas such as further specialisation, management, research, or teaching.

Related roles

- Biomedical science [7]
- Blood sciences [8]
- Cellular sciences [9]
- Experienced paramedic [10]

Links

[1] <https://www.healthcareers.nhs.uk/explore-roles/doctors/roles-doctors/medicine/clinical-genetics> [2] <https://www.healthcareers.nhs.uk/explore-roles/doctors/roles-doctors/medicine/palliative-medicine> [3] <https://www.healthcareers.nhs.uk/explore-roles/doctors/roles-doctors/paediatrics/paediatrician> [4] <https://www.healthcareers.nhs.uk/explore-roles/doctors/roles-doctors/medicine/medical-oncology> [5] <https://www.healthcareers.nhs.uk/explore-roles/doctors/roles-doctors/medicine/cardiology> [6] <https://www.healthcareers.nhs.uk/explore-roles/healthcare-science/roles-healthcare-science/life-sciences/infection-sciences> [7] <https://www.healthcareers.nhs.uk/Explore-roles/healthcare-science/roles-healthcare-science/life-sciences/biomedical-science> [8] <https://www.healthcareers.nhs.uk/Explore-roles/healthcare-science/roles-healthcare-science/life-sciences/blood-sciences> [9] <https://www.healthcareers.nhs.uk/Explore-roles/healthcare-science/roles-healthcare-science/life-sciences/cellular-sciences> [10] <https://www.healthcareers.nhs.uk/explore-roles/ambulance-service-team/roles-ambulance-service/experienced-paramedic>