

## Healthcare Science 2022

There are over 50,000 healthcare scientists working in the NHS and public health services. Together they provide the scientific backbone of the NHS and their work underpins 80% of all diagnoses. Healthcare scientists work in more than 50 specialisms which can be categorised into four groupings: laboratory (pathology) sciences, physiological sciences, medical physics and clinical engineering, bioinformatics.

Mount Vernon Cancer Centre in Northwood employs medical physicists, healthcare science practitioners and assistants to work across a range of specialisms providing patient diagnosis and treatment.

- **Radiotherapy physics** – using high energy x-rays and gamma radiation to deliver precise treatments to patients with cancer.
- **Nuclear medicine** – using radioactive sources for patient treatment and imaging. At Mount Vernon we providing radioactive sources for imaging patients at several of our surrounding hospitals
- **Diagnostic Radiology and Radiation Protection physics** – supporting imaging services across a number of NHS Trusts to keep staff and patients safe in radiation environments and ensure diagnostic images are fit for purpose.

If you're interested in a career in healthcare science, click on the links below for more information;

[www.england.nhs.uk/healthcare-science/](http://www.england.nhs.uk/healthcare-science/)

[nshcs.hee.nhs.uk/healthcare-science/careers-in-healthcare-science/](http://nshcs.hee.nhs.uk/healthcare-science/careers-in-healthcare-science/)

[www.ahcs.ac.uk/about/the-healthcare-science-industry/career-framework-for-healthcare-scientists/](http://www.ahcs.ac.uk/about/the-healthcare-science-industry/career-framework-for-healthcare-scientists/)

[www.ipem.ac.uk/](http://www.ipem.ac.uk/)

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<p>NHS England</p>	<p>National School of Healthcare Science</p>	<p>Academy for Healthcare Science</p>	<p>Institute of Physics and Engineering in Medicine</p>