

# Clinical bioinformatics

Clinical bioinformatics is an area of healthcare science responsible for developing and improving methods for acquiring, storing, organising and analysing biological data that supports the delivery of patient care.

Staff working in clinical bioinformatics use areas of computer science including software tools that generate useful biological knowledge by manipulating 'big data'.

healthcare-science-female-computer-data

Informatics <sup>[1]</sup> in health care science is broken down into three unique areas:

- [clinical bioinformatics \(genomics\)](#) <sup>[2]</sup>
- [clinical bioinformatics \(health informatics\)](#) <sup>[3]</sup>
- [clinical bioinformatics \(physical sciences\)](#) <sup>[4]</sup>

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**Source URL:**<https://www.healthcareers.nhs.uk/Explore-roles/healthcare-science/roles-healthcare-science/clinical-bioinformatics>

## Links

[1] <https://www.healthcareers.nhs.uk/glossary#Informatics> [2] <https://www.healthcareers.nhs.uk/explore-roles/informatics/bioinformatics-genomics> [3] <https://www.healthcareers.nhs.uk/explore-roles/informatics/bioinformatics-health-informatics> [4] <https://www.healthcareers.nhs.uk/explore-roles/informatics/bioinformatics-physical-sciences>