

06 September 2023

## **COSTS OF HFE GENTNETIC TESTING AND VENOUS BLOOD SAMPLING**

For the most recent period available:

- a. What is the cost to process a HFE genetic test (type 1), to include sequencing, analysis and reporting from the point at which you are presented with a viable sample?**

Regional Molecular Diagnostics Service perform a kit based analysis for HFE mutational screening with only a small minority of samples requiring additional Sanger sequencing

HFE MUTATIONAL SCREENING	Non-NHS Prices £140.67
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HFE Criteria £42.98 - the HFE criteria is a cost for HFE requests that are rejected to cover lab staff time in sample reception and HFE reporting.

- b. What is the cost to process an iron panel blood test (including serum ferritin and transferrin saturation) from the point at which you are presented with a viable sample?**

Biochemistry	Non-NHS Prices
Serum Iron:	£5.35
Ferritin:	£16.60
Iron Profile:	£17.62

- c. What are the costs of a single genetic counselling or patient clinic appointment to explain the results of (a) to a patient and/or their family?**

Genetic Medicine Genetic Counsellors (GCs) do not provide NHS/non-NHS clinical appointments for HFE if a significant result is reported. The GCs provide a bounce-back letter to Primary Care clinicians who manage patient HFE results locally; GC advice is that Primary Care request the test and if required they can onward refer patients to appropriate Gastrointestinal or Hepatology Services.

- d. What are the costs of a phlebotomist, healthcare assistant or other qualified healthcare practitioner to collect a single venous blood sample suitable for analysis with (a) or (b)?**

This information is not captured.

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There are a number of Healthcare Professionals who obtain Blood Samples from Band 3 upwards for various different reasons.

Every service/speciality works in a different method, for example within the Phlebotomy Hub we have the following staff obtaining blood samples Band 3,5,6,7 Nursing Staff and depending on the service user this may take 5mins or may take 45mins. The time the staff member spends with the service user will also depend on what sampling and testing is required. Therefore each venous blood sample is not the same, each sample cost would differ and it would not be possible to quantify in respect of costs.