



GIG
CYMRU
NHS
WALES

Bwrdd Iechyd Prifysgol
Cwm Taf Morgannwg
University Health Board



Freedom of Information Request: Our Reference CTMUHB_91_25

You asked:

As per the laws regards Freedom of Information request can you please forward on to me, the following information on Lipid Blood testing with Cwm Taf Morgannwg HB boundaries, please.

1. Can you send to me any guidelines or guidance utilised for Health Care Professionals on completing lipid tests?

Following biochemical analysis of blood samples, abnormal lipid profile results in adults and children are routinely reviewed and authorised by Clinical Biochemists. Locally agreed interpretive comments are then appended to certain results and appear on the clinical report. These comments provide appropriate interpretation to General Practitioners and Secondary care clinicians to help exclude secondary causes of abnormal lipid results and also advise on secondary care referral to the Lipid Clinic, if necessary. We refer to NICE CG181 and CG71 for further information and to the All Wales Familial Hypercholesterolaemia risk assessment web tools, if clinically appropriate.

2. Are lipid tests fasted or non fasted in Primary Care and in Secondary Care as standard?

The fasting and non-fasting lipid profiles contain the following tests: Total cholesterol, Triglycerides, HDL Cholesterol, Non HDL Cholesterol, Cholesterol:HDL ratio and LDL Cholesterol
Both profiles can be measured in fasting or non-fasting bloods. It is the requestor's decision whether or not the patient is fasted and this is indicated at the point of request to aid interpretation.

3. Can all clinicians see Triglyceride results when lipid tests are completed?

Triglycerides results are included in the lipid profile report which is viewable to all Clinicians in the patient's electronic record.

4. What calculation is used within Cwm Taf HB (in Primary Care and Secondary Care) when creating a triglyceride result - Samson or Friedwald?

In Wales, the Friedwald equation ([Friedwald equation – GPnotebook](#)) is used to calculate the LDL Cholesterol in all lipid profiles. Please note, an automatic comment is appended to reports when triglycerides are > 4.5mmol/L stating: Unable to calculate LDL-cholesterol as triglyceride >4.5 mmol/L.