

Enhanced Lipid Reporting:

A Lab-Based Cardiovascular Disease Screening & Prevention Initiative

What?

Enhanced Lipid Reporting (ELR) provides a cardiovascular disease (CVD) risk score on lab reports, based on information from a patient's lab requisition and blood sample. Lab staff enter information from the lab requisition into Connect Care at the time of the patient's blood draw. CVD risk results are then calculated using the Framingham Risk Score (FRS) algorithm built into Connect Care.

Clinics using this lab-based CVD risk assessment will receive an **Enhanced Lipid Report** with the patient's risk results and treatment recommendations based on current Canadian Cardiovascular Society Dyslipidemia guidelines.

Patients will also receive their CVD risk results in their MyHealth Record account, with links to [patient education and behaviour change resources](#).

Sample ELR on lab report:

High Risk (FRS \geq 20.0%)
Treatment advised in all patients
Treatment target: LDL-C < 2.0 mmol/L or Non-HDL-C < 2.6 mmol/L

Where?

General lab requisitions, for both DynaLIFE and Alberta Precision Laboratories (APL) now include FRS questions under the "CVD Risk Assessment" section. Be sure to locate, and use, the updated requisition in your electronic medical record (EMR). Paper-based clinics can download current lab requisitions from both the [APL](#) and [DynaLIFE](#) websites.

When?

Once your local labs are on Connect Care, ELR can begin! Blood collection sites must be on Connect Care so lab staff can enter responses from CVD risk questions and a CVD risk score can be provided on lab reports. Check the [Connect Care launch schedule](#) to find out when you have access to ELR in your area.

Why?

CVD is the second leading cause of death in Alberta (#1 for women). Many heart attacks and strokes can be prevented through medication and lifestyle changes for those at risk. The Alberta Screening and Prevention (ASaP) maneuvers menu recommends CVD screening for all patients ages 40 to 75.

How?

- Ensure the most current lab requisition is used.
- Correctly complete **ALL** CVD Risk Assessment questions on the patient's lab requisition.

<input type="checkbox"/> Lipid Panel	<input type="checkbox"/> Cholesterol, Total
	<input type="checkbox"/> Triglycerides
<input checked="" type="checkbox"/> Cardiovascular Disease Risk Assessment (Framingham Risk Score) includes Lipid Panel	
Required History	
Systolic Blood Pressure (mmHg)	145
Tobacco Use	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Treated for high Blood Pressure	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Diabetic	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Chronic Kidney Disease	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Atherosclerosis (MI, Stroke)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
First-degree relative with Cardiovascular Disease (M <55Y / F <65Y)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

