

<b>Programme:</b>	<b>CVD Prevention   Lipids</b>
<b>Filename:</b>	CVD Prevention   Lipids   GM Guidance   EMIS Web
<b>Author:</b>	Dawn Lowe
<b>Version:</b>	7.0 (updated to latest QOF business rules)
<b>Date Released:</b>	03/05/2024
<b>Purpose of this document:</b>	This document outlines the structure of EMIS Web searches created by the Data Quality Service to support lipid optimisation for secondary prevention of cardiovascular disease (CVD).

#### **Document Status**

This is a controlled document. If this document is printed, it is no longer a controlled document and it is the users' responsibility to ensure they are using the latest version.

#### **Copyright**

This document is Copyright © 2020 NHS Greater Manchester Integrated Care and protected under UK and international law. All rights reserved. No part of this document or any of its contents may be reproduced, copied, modified or adapted, without the prior written consent of the author.

## CVD Prevention - Lipids Searches

Searches for the identification of high-risk people requiring lipid optimisation for secondary prevention of CVD have been developed. The searches risk-stratify patients into five cohort groups depending on intervention required and includes eligibility for injectable therapies. This is part of the Greater Manchester Integrated Care Systems CVD prevention initiative.

### Search Criteria

To support practices to identify patients who could be eligible for lipid-lowering therapies for secondary prevention of cardiovascular disease, the Data Quality Service has created a suite of searches, broken down into various cohorts. Reviewing each cohort will allow clinicians to determine whether patients require a review, or if they are eligible for injectable treatments to be administered to lower lipid levels.

The searches are named the following:



Indicator	Name	Description
CVDPL1a	Total Practice Population	Looks at all active currently registered patients.
CVDPL1b	Aged >=18y	Based on results of search CVDPL1a, this search includes patients who are aged above or equal to 18 years of age.
CVDPL2a	Pts with a Cardiovascular Event Ever	Based on results of search CVDPL1b, this search includes patients who have ever had a cardiovascular event (Stent / CHD / PAD / Stroke). <b>REVASCULAR_COD Cluster RefSet: 999029411000230108</b> <b>CHD_COD Cluster RefSet: 999000771000230107</b> <b>PAD_COD Cluster RefSet: 999005931000230101</b> <b>STRK_COD Cluster RefSet: 999005531000230105</b>
CVDPL2b	CVD Event   Exc. Familial Hypercholesterolemia	Based on results of search CVDPL2a, this search excludes patients who have a diagnosis of Familial Hypercholesterolemia as these patients should be reviewed via another pathway. <b>FHYP_COD Cluster RefSet: 999006811000230109</b> <b>FHYPGEN_COD Cluster RefSet: 999017251000230106</b> <b>FAMHYPGEN_COD Cluster RefSet: 999029651000230105</b> <b>SECHYPERLIP_COD Cluster RefSet: 999029611000230106</b>

<b>CVDPL2c</b>	CVD Event I Exc. FH & Inclisiran	Based on results of search CVDPL2b, this search excludes patients who already have Inclisiran recorded in their record in the last 6 months. <input checked="" type="checkbox"/> Inclisiran 284mg/1.5ml solution for injection pre-filled syringes <input checked="" type="checkbox"/> Leqvio 284mg/1.5ml solution for injection pre-filled syringes (Novartis Pharmaceuticals UK Ltd)
<b>CVDPL2d</b>	CVD Event I Exc. FH & Inclisiran I Lipids in last 12m	Based on results of search CVDPL2c, this search includes patients where their last lipid results were recorded in the last 12 months. <b>LDLCCHOL_COD Cluster RefSet: 999018771000230107</b> <b>NONHDLCHOL_COD Cluster RefSet: 999017731000230106</b>
<b>CVDPL2e</b>	Lipids at Target in last 12m	Based on results of search CVDPL2d, this search includes patients whose lipids are at target in the last 12 months, so the practice is aware of this cohort. <b>LDL Value &lt;=1.8</b> <b>Non-HDL Value &lt;=2.5</b>
<b>CVDPL2f</b>	CVD Event I Exc. FH & Inclisiran I Lipids at Target	Based on results of search CVDPL2d, this search excludes patients whose lipids are at target in the last 12 months to enable a final list of patients to be broken down into various cohorts.
<b>COHORT 1</b>	Not on a Statin	Based on results of search CVDPL2f this search excludes: - Statins issued in the last 6 months - Maximum tolerated therapy - Expiring statin contraindications - Persisting statin contraindications <input type="checkbox"/> Atorvastatin <input type="checkbox"/> Rosuvastatin <input type="checkbox"/> Simvastatin <input type="checkbox"/> Fluvastatin <input type="checkbox"/> Pravastatin <b>407568002   Patient on maximal tolerated lipid lowering therapy</b> <b>134391005   Statin not indicated</b> <b>315363002   Statins contraindicated</b> <b>413174003   Statin not tolerated</b> <b>16524331000119104   H/O rhabdomyolysis due to statin</b> <b>293432006   Adverse reaction caused by statin</b> <b>293433001   Adverse reaction caused by simvastatin</b> <b>293434007   Adverse reaction caused by fluvastatin</b> <b>293435008   Adverse reaction caused by pravastatin</b> <b>294970008   Statin allergy</b> <b>294971007   Simvastatin allergy</b> <b>294972000   Fluvastatin allergy</b> <b>294973005   Pravastatin allergy</b> <b>787206005   Rhabdomyolysis due to statin</b>
<b>COHORT 2</b>	On Suboptimal Statin	Based on results of search CVDPL2f this search excludes: - Cohort 1 - Atorvastatin / Rosuvastatin issued in the last 6 months - Maximum tolerated therapy - Expiring statin contraindications - Persisting statin contraindications and includes: - Simvastatin / Fluvastatin / Pravastatin issued in the last 6 months
<b>COHORT 3</b>	On Suboptimal Statin Dose	Based on results of search CVDPL2f this search excludes: - Cohorts 1 & 2 - Maximum tolerated therapy - Expiring statin contraindications - Persisting statin contraindications - Atorvastatin (80mg) / Rosuvastatin (40mg) issued in the last 6 months
<b>COHORT 4 Sub</b>	Statin Optimised I Lipids >Target	Based on results of search CVDPL2f this search excludes: - Cohorts 1, 2 & 3
<b>COHORT 4</b>	Exc. Inclisiran Not Indicated in last 12m	Based on results of search COHORT 4 Sub this search excludes: - Patients with a code of 'Inclisiran Not Indicated' in the last 12 months as these patients have already been assessed for Inclisiran <b>1362041000000101   Inclisiran not indicated</b>
<b>COHORT 4a</b>	Eligible for Injectables	Based on results of search COHORT 4 this search includes -Patients with a latest LDL value of >=2.6 or a latest Non-HDL value of >=3.4 so that injectables can be considered

<b>COHORT 4b</b>	Not Eligible for Injectables	Based on results of search COHORT 4 this search includes -Patients with a latest LDL value of <2.6 or a latest Non-HDL value of <3.4 to identify those not eligible for injectables
<b>COHORT 5</b>	Remaining Patients	Based on results of search CVDPL2f this search excludes: - Cohorts 1, 2, 3 & 4
<b>Opted Out</b>	Local Shared Electronic Record	Based on results of search CVDPL2f this search includes: - Patients opted out of the Local Shared Electronic Record (for info purposes only should any searches be created on the GM Care Record) <b>416409005 I Refused consent for upload to local shared electronic record</b>
<b>Opted Out</b>	Summary Care Record	Based on results of search CVDPL2f this search includes: - Patients opted out of the Summary Care Record (for info purposes only should any searches be created on the GM Care Record) <b>889091000000102 I Dissent to share Summary Care Record</b> <b>777441000000102 I Express dissent for Summary Care Record dataset upload</b>
<b>CVDPL4a</b>	CVD Event   Exc. FH & Inclisiran   with Lipids >12m ago	Based on results of search CVDPL2c this search excludes: - Results of search CVDPL2d to identify patients where last lipids were recorded more than 12 months ago
<b>CVDPL5a</b>	Aged >=18y Currently Prescribed Inclisiran	Based on results of search CVDPL1b this search includes: - Inclisiran issued in the last 6 months (all patients, not just CVD)
<b>CVDPL5b</b>	CVD Event   Prescribed Inclisiran in last 6m	Based on results of search CVDPL2a this search includes: - Inclisiran issued in the last 6 months for patients who have had a CVD event

## Practice Reports

Within the main CVD Prevention search folder there is another folder named the following:

4  CVD Prevention | Lipids | GM | v03-05-2024

 PRACTICE REPORTS TO WORK THROUGH

-  BRING IN FOR BLOODS | PATIENT LIST | LAST LIPIDS OVER 12m AGO
-  PATIENT LIST FOR COHORT 1 | Not On a Statin
-  PATIENT LIST FOR COHORT 2 | On Suboptimal Statin
-  PATIENT LIST FOR COHORT 3 | On Suboptimal Statin Dose
-  PATIENT LIST FOR COHORT 4a | Statins Maximised | Eligible for Injectables
-  PATIENT LIST FOR COHORT 4b | Statins Maximised | Not Eligible for Inje...
-  PATIENT LIST FOR COHORT 5 | Remaining Patients

Report Name	Action for Practice
<b>BLOODS - PATIENT LIST - BRING IN FOR BLOODS (LAST LIPIDS OVER 12m AGO)</b> Based on results of search CVDPL4a	Bring patient in for lipids as the last one was recorded more than 12 months ago. Once the patient has had their blood test and the result is filed, they should then appear in one of the cohorts 1-5.  Lipids test criteria: <b>Calculated LDL:</b> Use either a non-fasting or fasting sample, but fasting sample is recommended if levels are within 0.2mmol/l of treatment cut off levels. <b>Direct LDL:</b> Use a non-fasting sample only, 0.2mmol/l recommendation not applicable
<b>PATIENT LIST FOR COHORT 1   Not on a Statin</b> Based on results of search COHORT 1	Aim to re-initiate statin. Where clinically appropriate and acceptable to patient aim for a High intensity Statin (Atorvastatin/Rosuvastatin) at maximal dose (80mg/40mg respectively). If not possible confirm and code patient as statin intolerant or statin contraindicated.
<b>PATIENT LIST FOR COHORT 2   On Suboptimal Statin</b> Based on results of search COHORT 2	Aim to switch patient to a High intensity Statin (Atorvastatin/Rosuvastatin) at maximal dose (80mg/40mg respectively) where clinically appropriate and acceptable to patient. If not possible code patient as: <b>407568002 I Patient on maximal tolerated lipid lowering therapy</b> and consider next step therapies.

<b>PATIENT LIST FOR COHORT 3 I On Suboptimal Statin Dose</b> Based on results of search COHORT 3	Aim to up-titrate dose of current High intensity Statin (Atorvastatin/Rosuvastatin) to maximal dose (80mg/40mg respectively) where clinically appropriate and acceptable to patient. If not possible code patient as: <b>407568002 I Patient on maximal tolerated lipid lowering therapy</b> and consider next step therapies.
<b>PATIENT LIST FOR COHORT 4a I Statins Maximised – Eligible for Injectables</b> Based on results of search COHORT 4	Check the patients where the LDL value is $\geq 2.6$ / Non-HDL value is $\geq 3.4$ Review eligibility for: <ul style="list-style-type: none"> <li>▪ Ezetimibe (LDL-C value equal or greater to 1.8 mmol/L)</li> <li>▪ Inclisiran (LDL-C value equal or greater to 2.6 mmol/L)</li> <li>▪ Referral for PCSK9-i as GM Lipid Flowchart (LDL-C <math>&gt;3.5/4^*</math>)</li> </ul> *4 = High Risk CVD (single previous event) *3.5 = Very High Risk CVD (recurrent events / multiple vascular beds) If patient confirmed statin intolerance, see <a href="#">NHS Statin Intolerance Pathway</a>
<b>PATIENT LIST FOR COHORT 4b I Statins Maximised – Not Eligible for Injectables</b> Based on results of search COHORT 4	Check the patients where the LDL value is $< 2.6$ / Non-HDL value is $< 3.4$ Review eligibility for: <ul style="list-style-type: none"> <li>▪ Ezetimibe (LDL-C value equal or greater to 1.8 mmol/L)</li> </ul>
<b>PATIENT LIST FOR COHORT 5 I Remaining Patients</b> Based on results of search COHORT 5	This search has been created as a safety netting search should any patients appear. It is not expected that this search will produce any figures. If patients do appear in this list, please email: <a href="mailto:gmss.dataquality@nhs.net">gmss.dataquality@nhs.net</a>

## Data Submission

If you are required to submit any data to your locality / PCN etc. you can run the main CVD Prevention – Lipids folder. Within that folder is an Audit Report that will populate once searches have finished running:

 [CVD Prevention | Lipids Data | Q- | 2024-2025 | v03-05-2024](#)

To save this you need to **View Results**, then **Export to CSV** and save in a folder of your choice.

## Queries

Should you have any queries, suggestions for improvement, or feel that patients are missing or are appearing in error, please email [nhsgm.dataquality@nhs.net](mailto:nhsgm.dataquality@nhs.net) so we can review the relevant indicator/s.