# CVD Prevention – Lipids Searches – TPP SystmOne

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| **Programme:** | **CVD Prevention – Lipids** |
| **Filename:** | CVD Prevention - Lipids Guidance – TPP SystmOne Searches |
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| **Purpose of this document:** | This document outlines the structure of TPP SystmOne 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.

## 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:

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◆ CVD Prevention I Lipids I v19 I 10 I 2022 (19)

    Name ▽
    COHORT 1 - Not on a Statin
    COHORT 2 - On Suboptimal Statin
    COHORT 3 - On Suboptimal Statin Dose
    COHORT 4 - Exc. Inclisiran Not Indicated in last 12m
    COHORT 4 Sub - Statin Optimised - Lipids >Target
    COHORT 5 - Remaining Patients
    CVDPL1a - Total Practice Population
    CVDPL1b - Aged >=18y
    CVDPL2a - Pts with a Cardiovascular Event Ever
    CVDPL2b - CVD Event EXC. Familial Hypercholesterolaemia
    CVDPL2c - CVD Event EXC. FH & Inclisiran
    CVDPL2d - CVD Event EXC. FH & Inc - Lipids in last 12m
    CVDPL2e - Lipids at Target in last 12m
    CVDPL2f - CVD Event EXC. FH & Inc & Lipids at Target
    CVDPL4a - CVD Event EXC. FH & Inc with Lipids >12m ago
    CVDPL5a - Aged >=18y Currently Prescribed Inclisiran
    CVDPL5b - Pts with CVD Event Prescribed Inclisiran in last 6m
    Opted Out - Local Shared Electronic Record
    Opted Out - Summary Care Record
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| Indicator | Name | Description |
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| 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). |
| CVDPL2b | CVD Event EXC. Familial Hypercholesterolaemia | Based on results of search CVDPL2a, this search excludes patients who have a diagnosis of Familial Hypercholesterolaemia as these patients should be reviewed via another pathway. |
| CVDPL2c | CVD Event 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. |
| CVDPL2d | CVD Event EXC. FH & Inc – 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. |
| CVDPL2e | 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. |
| CVDPL2f | CVD Event EXC. FH & Inc & 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. |
| COHORT 1 | Not on a Statin | Based on results of search CVDPL2f this search excludes: |

| | | - Statins issued in the last 6 months<br>- Maximum tolerated therapy<br>- Expiring statin contraindications<br>- Persisting statin contraindications |
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| **COHORT 2** | On Suboptimal Statin | Based on results of search CVDPL2f this search excludes:<br>- Cohort 1<br>- Atorvastatin / Rosuvastatin issued in the last 6 months<br>- Maximum tolerated therapy<br>- Expiring statin contraindications<br>- Persisting statin contraindications<br>and includes:<br>- Simvastatin / Fluvastatin / Pravastatin issued in the last 6 months |
| **COHORT 3** | On Suboptimal Statin Dose | Based on results of search CVDPL2f this search excludes:<br>- Cohorts 1 & 2<br>- Maximum tolerated therapy<br>- Expiring statin contraindications<br>- Persisting statin contraindications<br>- Atorvastatin (80mg) / Rosuvastatin (40mg) issued in the last 6 months |
| **COHORT 4 Sub** | Statin Optimised - Lipids > Target | Based on results of search CVDPL2f this search excludes:<br>- Cohorts 1, 2 & 3 |
| **COHORT 4** | Exc. Inclisiran Not Indicated in last 12m | Based on results of search COHORT 4 Sub this search excludes:<br>- Patients with a code of 'Inclisiran Not Indicated' in the last 12 months as these patients have already been assessed for Inclisiran |
| **COHORT 5** | Remaining Patients | Based on results of search CVDPL2f this search excludes:<br>- Cohorts 1, 2, 3 & 4 |
| **Opted Out** | Local Shared Electronic Record | Based on results of search CVDPL2f this search includes:<br>- Patients opted out of the Local Shared Electronic Record (for info purposes only should any searches be created on the GM Care Record) |
| **Opted Out** | Summary Care Record | Based on results of search CVDPL2f this search includes:<br>- Patients opted out of the Summary Care Record (for info purposes only should any searches be created on the GM Care Record) |
| **CVDPL4a** | CVD Event EXC. FH & Inc with Lipids >12m ago | Based on results of search CVDPL2c this search includes:<br>- Last Lipids recorded more than 12 months ago |
| **CVDPL5a** | Aged >=18y Currently Prescribed Inclisiran | Based on results of search CVDPL1b this search includes:<br>- Inclisiran issued in the last 6 months (all patients, not just CVD) |
| **CVDPL5b** | Pts with CVD Event Prescribed Inclisiran in last 6m | Based on results of search CVDPL1b this search includes:<br>- Inclisiran issued in the last 6 months for patients who have had a CVD event |

## Practice Reports

The following searches require action:

CVDPL4a - CVD Event EXC. FH & Inc with Lipids >12m ago

COHORT 1 - Not on a Statin

COHORT 2 - On Suboptimal Statin

COHORT 3 - On Suboptimal Statin Dose

COHORT 4 - Exc. Inclisiran Not Indicated in last 12m

COHORT 5 - Remaining Patients

| Search Indicator | Action for Practice |
|---|---|
| **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.<br><br>Lipids test criteria: |

| | Calculated LDL: 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. <br> Direct LDL: Use a non-fasting sample only, 0.2mmol/l recommendation not applicable |
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| **COHORT 1 - Not on a Statin** | 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. |
| **COHORT 2 - On Suboptimal Statin** | 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 'maximally tolerated statin' and consider next step therapies. |
| **COHORT 3 - On Suboptimal Statin Dose** | 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 'maximally tolerated statin' and consider next step therapies. |
| **COHORT 4 Statins Maximised – Eligible for Injectables** <br> Based on results of search COHORT 4 | Check the patients where the LDL value is >=2.6 / Non-HDL value is >=3.4 <br><br> Review eligibility for: <br> ▪ Ezetimibe (LDL-C value equal or greater to 1.8 mmol/L) <br> ▪ Inclisiran (LDL-C value equal or greater to 2.6 mmol/L) <br> ▪ Referral for PCSK9-i as GM Lipid Flowchart (LDL-C >3.5/4*) <br> *4 = High Risk CVD (single previous event) <br> *3.5 = Very High Risk CVD (recurrent events / multiple vascular beds) |
| **COHORT 4 - Statins Maximised – Not Eligible for Injectables** <br> Based on results of search COHORT 4 | Check the patients where the LDL value is <2.6 / Non-HDL value is <3.4 <br><br> Review eligibility for: <br> ▪ Ezetimibe (LDL-C value equal or greater to 1.8 mmol/L) |
| **COHORT 5 - Remaining Patients** | 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. <br><br> If patients do appear in this list please email gmss.dataqualitygm@nhs.net |

## Data Submission

If you are required to submit any data to your locality / PCN etc. run all searches, then right click on one of the searches, select **Table** > **Open as CSV** > **Save** to a location 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 gmss.dataqualitygm@nhs.net so we can review the relevant indicator/s.