

AHSN Lipids and FH How to achieve QOF lipid targets Lipid optimisation workshop

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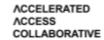




QOF targets 2023/24: Cholesterol

QOF target	Points value	QOF Threshold target	NENC current average (CVD prevent)
CHOL001 on 2ry prevention register plus CKD, prescribed or declined a statin	14	70-95%	84%
CHOL002 on 2ry prevention register with nonHDLc <2.5	16	20-35%	30%

Summary of National Guidance for Lipid Management for Primary and Secondary Prevention of CVD





INITIAL CONSIDERATIONS:

Measure non-fasting full lipid profile (Total cholesterol, HDL-C, non-HDL-C, triglycerides) and HbA1c as part of an initial baseline assessment.
 Consider secondary causes of hyperlipidaemia and manage as needed.

• Ensure appropriate baseline and follow up tests as detailed on page 2. Measure BMI. • Identify and exclude people with contraindications/drug interactions • If non-fasting triglyceride above 4.5mmol/L see page 2.

PRIMARY PREVENTION

Consider statin therapy for adults who do not have established CVD but fall into the categories below. Use QRISK risk assessment tool where appropriate (see page 2, 'Primary Prevention Risk Assessment')

Age ≤84 & QRISK ≥10% over next 10 years

Type 2 diabetes & QRISK ≥10% over next 10 years Type 1 diabetes, if they have one or more of the following:
• Over 40 years

Had diabetes for >10 yearsHave established

nephropathy
• Have other CVD risk factors

CKD eGFR < 60 mL/min/1.73m2 and/or albuminuria Age ≥85 years if appropriate consider comorbidities, frailty & life expectancy



Identify and address all modifiable risk factors - smoking, diet, obesity, alcohol intake, physical activity, blood pressure and HbA1c.



Consider additional risk factors, if present, together with QRISK score (treated for HIV, severe mental illness, taking medicines that cause dyslipidaemia, systemic inflammatory disorder (e.g. SLE), impaired fasting glycaemia, recent change in risk factors).



If lifestyle modification is ineffective or inappropriate offer statin treatment.

Atorvastatin 20mg OD



• High intensity statin treatment should achieve reduction of non-HDL-C > 40% from baseline. If not achieved after 3 months;

- Discuss treatment adherence, timing of dose, diet and lifestyle

- If at higher risk (based on comorbidities, risk score or clinical judgement – see page 2 'Additional Risk Factors') consider increasing the dose every 2-3 months up to a maximum dose of atorvastatin 80mg daily.

- For how to increase in people with CKD see 'Special Patient Populations' (page 2)



- If patients on a high-intensity statin have side effects, offer a lower dose or an alternative statin (see page 2 'Extent of lipid lowering with available therapies')
- If maximum tolerated dose of statin does not achieve non-HDL-C reduction > 40% of baseline value after 3 months consider adding Ezetimibe 10mg daily (NICE TA385)
- · If recommended statin therapy is contraindicated or not tolerated;
- Ezetimibe monotherapy may be considered. Assess response after 3 months
- See local statin intolerance guidance / pathway where available
- Ezetimibe 10mg/bempedoic acid 180 mg combination may be considered when ezetimibe alone does not control non-HDL-C/LDL-C well enough (NICE TA694).



If non-HDL-C reduction remains < 40% of baseline despite maximal tolerated lipid lowering therapy (including people with intolerances and contraindications) consider referral to specialist lipid management clinic according to local arrangements.

SEVERE HYPERLIPIDAEMIA

If TC>7.5mmol/L and/or LDL-C >4.9mmol/L and/or non-HDL-C >5.9mmol/L, a personal and/or family history of confirmed CHD (<60 years) and no secondary causes: suspect Familial Hypercholesterolaemia (Possible Heterozygous FH)

Do not use QRISK risk assessment tool

*

DIAGNOSIS AND REFERRAL

Take fasting blood for repeat lipid profile to measure LDL-C.

Use the Simon Broome or Dutch Lipid Clinic Network (DLCN) criteria to make a clinical diagnosis of FH.

Refer to Lipid Clinic for further assessment if clinical diagnosis of FH or if TC>9.0mmol/L and/or LDL-C >6.5mmol/L and/or non-HDL-C >7.5mmol/L or Fasting triglycerides > 10mmol/L (regardless of family history) (page 2)



TREATMENT TARGETS IN FH

If clinical diagnosis of FH and/or other risk factors present, follow the recommended treatment management pathway for primary or secondary prevention as for non-FH, BUT Aim to achieve at least a 50% reduction of LDL-C (or non-fasting non-HDL-C) from baseline. Consider specialist referral for further treatment and/or consideration of PCSK9i therapy IF

- they are assessed to be at very high risk of a coronary event**
- OR therapy is not tolerated
- OR LDL-C remains >5mmol/L (primary prevention)
- OR LDL-C remains >3.5mmol/L (secondary prevention)

Despite maximal tolerated statin and Ezetimibe therapy.

- **defined as any of the following:
- Established coronary heart disease.
- Two or more other CVD risk factors

SECONDARY PREVENTION

Offer statin therapy to adults with CVD, this includes angina, previous MI, revascularisation, stroke or TIA or symptomatic peripheral arterial disease. Do not delay statin treatment if a person has acute coronary syndrome. Take a lipid sample on admission (within 24 hours)

Identify and address all modifiable risk factors - smoking, diet, obesity, alcohol intake, physical activity, blood pressure and HbA1c.



SECONDARY PREVENTION

Do not delay statin treatment in secondary prevention while managing modifiable risk factors. Prescibe a high intensity statin: Atorvastatin 80mg OD. Use a lower dose of Atorvastatin if there is a potential drug interaction, high risk of or experiencing adverse effects, or patient preference. Offer Atorvastatin 20mg if CKD (people with GFR< 60 mL/min/1.73m2).

- · Measure full lipid profile again after 3 months (non-fasting).
- High intensity statin treatment should achieve reduction of non-HDL-C > 40% from baseline. If not achieved after 3 months
- Discuss treatment adherence, timing of dose, diet and lifestyle measures
- If started on less than atorvastatin 80mg and the person is judged to be at higher risk (based on comorbidities, risk score or clinical judgement see page 2 'Additional Risk Factors'), consider increasing to 80mg Atorvastatin. For how to increase in people with CKD see 'Special Patient Populations' (page 2).
- If non-HDL-C baseline value is not available*, consider target non-HDL-C < 2.5mmol/L (approximately equivalent to LDL-C < 1.8mmol/L) as recommended by Joint British Societies (JBS3).
- *This scenario is not covered by NICE CG181
- If patients on a high-intensity statin have side effects, offer a lower dose or an alternative statin (see page 2 "Extent of lipid lowering with available therapies")

If maximum tolerated dose of statin does not control non-HDL-C/LDL-C well enough after 3 months confirm statin adherence, then consider the following options based on shared decision making* with the patient

If recommended statin treatment is contraindicated or not tolerated – follow AAC Statin Intolerance Algorithm for advice regarding adverse effects (click here).

If statin intolerance is confirmed, consider:

- Ezetimibe 10mg monotherapy. Assess response after 3 months (TA385)
- Ezetimibe 10mg/bempedoic acid 180 mg combination when ezetimibe alone does not control non-HDL-C sufficiently. (NICE TA694)

If non HDL-C remains > 2.5mmol/L despite other lipid lowering therapies consider Injectable therapies – arrange a fasting blood test and assess elicibility criteria (TA393/394, TA733)

Ezetimibe 10mg daily (NICE TA385) Reasses

(NICE TA385). Reassess after three months. If non-HDL-C remains > 2.5mmol/L; consider **injectable therapies** arrange a fasting

therapies arrange a fasti blood test and assess eligibility

A COST GIVE GOODS CINGIBIL



- * See overleaf for information to support shared decision making
- ** Inclisiran and PCSK9i should not be prescribed concurrently

Injectable therapies**
If non-HDL-C > 2.5mmol/L;
Arrange fasting blood test
to measure LDL-C to
assess eligibility:

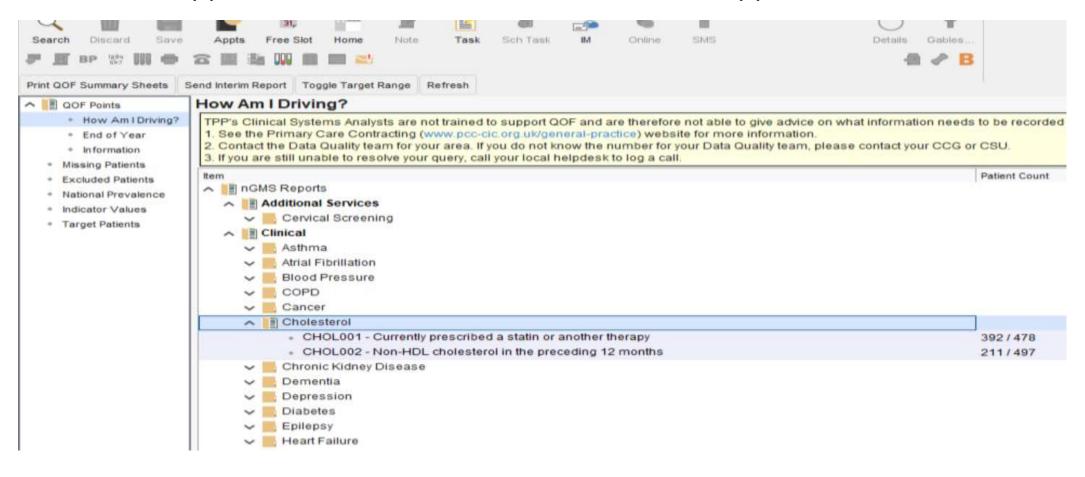
- Inclisiran - if fasting LDL-C ≥ 2.6mmol/L despite maximum tolerated lipid lowering therapy (TA733)

OR
- PCSK9i - see overleaf
for LDL-C thresholds.
(TA393/4) If eligibility
criteria are not met,
consider ezetimibe
10mg daily (if not

previously considered)

QOF searches- How am I driving?

PCN 50,000 Denominator approx. 3500 Practice 6000 Denominator approx. 500



Primary care: Digital searches





Name	Population Count	%
FH Case Finding - Combined (DLCNS >=5 Adj OR NICE Plus Adj)	54	1%
PH Case Finding: 0. DLCNS Possible FH >=5 TG Adj OR >8 #	32	1%
PH Case Finding: 1. DLCNS Definite FH >6 TG Adj #	4	1%
→ FH Case Finding: 1. DLCNS Definite FH >8 TG Adj #	1	1%
FH Case Finding: 1. DLCNS Definite FH>8 #	1	1%
FH Case Finding: 2. DLCNS Probable FH 6-8 #	27	1%
→ FH Case Finding: 2. DLCNS Probable FH 6-8 TG Adj #	16	1%
FH Case Finding: 3. DLCNS Possible FH 5 #	33	1%
→ FH Case Finding: 3. DLCNS Possible FH 5 TG Adj #	15	1%
→ FH Case Finding: 4. DLCNS Possible FH 3-4 #	437	4%
FH Case Finding: 5. DLCNS Possible FH 3-5 #	470	4%
→ FH Case Finding: NICE Total Plus	109	1%
FH Case Finding: NICE Total Plus (taking TGs into consideration)	46	1%
FH Case Finding: Simon Broome 1 - Definite FH #	0	0%
FH Case Finding: Simon Broome 2 - Possible FH #	40	1%

Clinical Digital Resource Collaborative

CDRC Supporting Clinical Decisions

Join our Journey

North East and North Cumbria

CDRC searches

www.cdrc.nhs.uk

- Can help to prioritise a large list
- Prioritise by highest nonHDLc

- Titrating statins
- Re-trying statins
- Adding ezetimibe

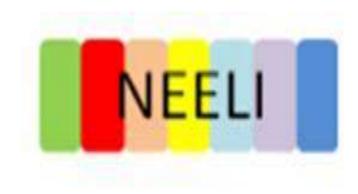
Lipid Control - ASCVD and last LDLC>=2.6 / nonHDLC >=2.5 NO general lipid lowering exception #	154	249
Lipid Control - ASCVD and last LDLC>=2.6 / nonHDLC >=2.5 NO general lipid lowering exception, NOT I	112	1.89
Lipid Control - ASCVD and last LDLC>=2.6 / nonHDLC >=2.5 NOT Target achieved Or Target set and not		
Lipid Control - ASCVD and last Non-HDL>5#	10	0.29
Lipid Control - ASCVD and last nonHDLC >= 2.5 #	270	4.3 %
Lipid Control - ASCVD and last nonHDLC >= 2.5 NO general lipid lowering exception #	234	3.79
Lipid Control - ASCVD and last nonHDLC >= 2.5 NO general lipid lowering exception, NOT last 14w #	179	289
Lipid Control - ASCVD and last TC>6#	21	0.39
Lipid Control - ASCVD and RED (any) criteria #	28	0.49
	10 0.	
Lipid Target - NonHDLC 5.0 <=S#	294 4	5%
Lipid Tarpet - NonHDLC 5.0 <=S# Lipid Tarpet - NonHCLC 5.0 = Latest = 5.0 S#	294 4 0 0	6% 0%
Lipid Tarpet - NonHDLC 5.0 <=8# Lipid Tarpet - NonHDLC 5.0 = Latest = 5.0 S# Lipid Tarpet - NonHDLC 5.0 =8#	294 4	5% 0%
Lipid Target - NonHOLC 4 9 Not Achieved S# Lipid Target - NonHOLC 5.0 <= 5# Lipid Target - NonHOLC 5.0 = Latest = 5.0 S# Lipid Target - NonHOLC 5.0 = S# Lipid Target - NonHOLC 5.0 Not Achieved <= 5# Lipid Target - NonHOLC 5.0 Not Achieved S#	294 4 0 0 0 0	5% 5% 5% 1%
Lipid Tarpet - NonHDLC 5.0 <=5# Lipid Tarpet - NonHDLC 5.0 = Latest = 5.0 S# Lipid Tarpet - NonHDLC 5.0 =5# Lipid Tarpet - NanHDLC 5.0 Not Achieved <=5#	294 4 0 0 0 0 8 0	5% 5% 5% 1%
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Lipid Target - NonHDLC 5.0 <=5# Lipid Target - NonHDLC 5.0 = Latest = 5.0 S# Lipid Target - NonHDLC 5.0 = S# Lipid Target - NonHDLC 5.0 Not Achieved <=S# Lipid Target - NonHDLC 5.0 Not Achieved S# Lipid Target - NonHDLC 5.1 + S# Lipid Target - NonHDLC 5.1 + S# Lipid Target - NonHDLC Performance - 1.1 Has target NonHDLC but not tested #	294 4 0 0 0 0 8 0 8 0 1 0	5% 5% 5% 1% 1% 0%
Lipid Target - NonHDLC 5.0 <= 5# Lipid Target - NonHDLC 5.0 = Latest = 5.0 S# Lipid Target - NonHDLC 5.0 = 5# Lipid Target - NonHDLC 5.0 Not Achieved <= 5# Lipid Target - NonHDLC 5.0 Not Achieved S# Lipid Target - NonHDLC 5.1 + 5# Lipid Target - NonHDLC 5 the S# Lipid Target - NonHDLC Performance - 1.1 Has target NonHDLC but not tested # Lipid Target - NonHDLC Performance - 1.2 Has target NonHDLC outside monitoring range # Lipid Target - NonHDLC Performance - 1.3 Has target NonHDLC and not achieved #	294 4 0 0 0 0 8 0 8 0 1 0 0 0	5% 5% 5% 1% 1% 0% 0%
Lipid Target - NonHDLC 5.0 <= 5# Lipid Target - NonHDLC 5.0 = Latest = 5.0 S# Lipid Target - NonHDLC 5.0 = S# Lipid Target - NonHDLC 5.0 Not Achieved <= 5# Lipid Target - NonHDLC 5.0 Not Achieved S# Lipid Target - NonHDLC 5.1 * S# Lipid Target - NonHDLC Performance - 1.1 Has target NonHDLC but not tested # Lipid Target - NonHDLC Performance - 1.2 Has target NonHDLC outside monitoring range # Lipid Target - NonHDLC Performance - 1.3 Has target NonHDLC and not achieved # Lipid Target - NonHDLC Performance - 1.4 Has target NonHDLC and achieved # Lipid Target - NonHDLC Performance - 1.4 Has target NonHDLC and achieved #	294 4. 0 0. 0 0. 8 0. 1 0. 0 0. 1 0. 134 45 160 54	5% 5% 5% 1% 5% 5% 54%
Lipid Target - NonHDLC 5.0 <= 5# Lipid Target - NonHDLC 5.0 = Latest = 5.0 S# Lipid Target - NonHDLC 5.0 = 5# Lipid Target - NonHDLC 5.0 Not Achieved <= 5# Lipid Target - NonHDLC 5.0 Not Achieved S# Lipid Target - NonHDLC 5.1 + 5# Lipid Target - NonHDLC 5 the S# Lipid Target - NonHDLC Performance - 1.1 Has target NonHDLC but not tested # Lipid Target - NonHDLC Performance - 1.2 Has target NonHDLC outside monitoring range # Lipid Target - NonHDLC Performance - 1.3 Has target NonHDLC and not achieved #	294 4. 0 0. 0 0. 8 0. 1 0. 0 0. 1 0. 1 34 45	5% 5% 1% 1% 0% 5.4% 4.2%

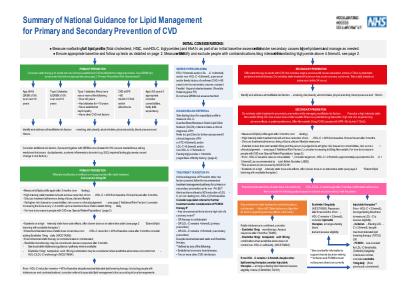
Consider injectables- fasting blood sample to get LDLc

Lipid targets

Primary or secondary prevention?

- Document a cholesterol target
 - Primary prevention
 - NICE (2014): 40% reduction in non-HDL cholesterol
 - Secondary prevention
 - JBS-3 (2013): Non-HDL-c < 2.5mmol/L

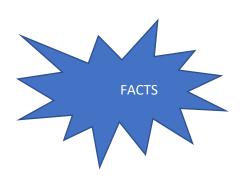




Shared decision making-statin declined!

- Explaining risk and benefits: primary/secondary prevention
- Consultation skills

 lots of different health beliefs out there!
- Resources: NHS England website/ CPPE

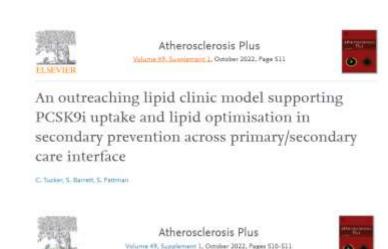


Statins do work- reduce cholesterol by 40%

Statins reduce risk of MI or Stroke by 23% (1)

If side effects: Alternative statin/re-try statin (2)

Diet/lifestyle modifications reduce cholesterol by 10% if maintained- sometimes this is not enough!



A pharmacist-led remote model for identification and optimisation of Familial Hypercholesterolaemia patients in primary care

C. Scott, S. Pattman, S. Barrett

1.Cholesterol Treatment Trialists Collaboration, Baigent C, Blackwell L, Emberson J, Holland LE, Reith C, Bhala N, Peto R, Barnes EH, Keech A, Simes J, Collins R. Efficacy and safety of more intensive lowering of LDL cholesterol: a metaanalysis of data from 170,000 participants in 26 randomised trials. Lancet 2010;376:16701681

2. N-of-1 Trial of a Statin, Placebo, or No Treatment to Assess Side Effects N Engl J Med 2020; 383:2182-2184 DOI: 10.1056/NEJMc2031173

Group 1

- Lipid optimisation
- Assessing for Familial Hypercholesterolaemia
- High triglycerides

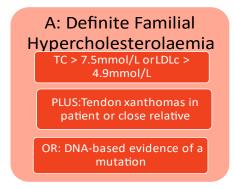
Assess for Familial Hypercholesterolaemia (FH) and treatment

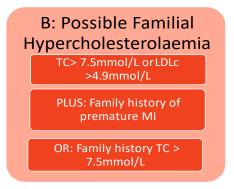
Sarah 50 years

- Blood Pressure (BP) 155/85 mmHg
- Body Mass Index (BMI) 30kg/m²
- Smoker
- Father Myocardial Infarction (MI) aged
 52
- 2 brothers: MI 54y/ CABG 49y
- 2 sisters: 1x TC 7.6, 1x nil of note
- Prescribed Atorvastatin 80mg daily
- Do you refer to lipid clinic or not?
- What questions do you ask about atorvastatin?

Total cholesterol mmol/L	9.7
Triglycerides mmol/L	1.8
HDLc mmol/L	1.9
Non HDLc mmol/L	7.8

The Simon Broome Criteria





Sarah 50y - ?FH/ optimise lipids

- Total cholesterol >7.5mmol/L ? FH -refer to NEELI (Simon Broome criteria)
- No Personal History of premature CVD (currently 50y)
- Family History premature CVD document fully
- Ask patient how they feel about atorvastatin/ side effects statin re-trial / trial rosuvastatin first, then if positive for FH offer PCSK9i
- Request a fasting lipid LDL
- Refer to lipid clinic for further assessment

Assess for FH and treatment

John 65 years

- Myocardial Infarction (MI) aged 55
- Blood Pressure (BP) 125/80 mmHg
- Body Mass Index 24kg/m²
- Smoker
- Active /Healthy diet
- Mother MI aged 50
- Muscle aches and pains with:
 - simvastatin/ atorvastatin/ rosuvastatin / ezetimibe
- Do you refer to lipid clinic or not?
- What treatment options do you discuss?

Total cholesterolmmol/L	8.5
Triglycerides mmol/L	1.8
HDLc mmol/L	1.9
Non HDLc mmol/L	6.6

John 65 years-?FH / optimise lipids

- Total cholesterol >7.5mmol/L
 ? FH -refer to NEELI* (Simon Broome criteria)
- Personal History of premature CVD
- Family History premature CVD document fully
- Ask patient how they feel about statin re-trial then offer PCSK9i injections
- Request a fasting lipid- LDL
- Refer to lipid clinic for further assessment

Assess for FH and treatment

Jim 67 years

- BP 145/85 mmHg
- BMI 30 Non Smoker
- Alcohol 20 units per week
- HbA1c 62
- QRISK 18%

Does Jim require primary or secondary prevention?

What is the cholesterol target?

What interventions will reduce cholesterol?

Total cholesterol mmol/L	7.1
Triglycerides mmol/L	1.1
HDLc mmol/L	1.3
Non HDLc mmol/L	5.8

Jim 67 years

- Primary prevention no CVD event
- QRISK 18%- start a statin
- Cholesterol target 40% reduction in nonHDLc from peak
- Reduce cholesterol with lifestyle modifications, in addition to statin:
 - Reduce alcohol intake
 - Discuss diet: reduce sugar intake- reducing HbA1c will reduce cholesterol
 - Consider increasing exercise
 - Can try diet first but statin reduces risk ore quickly and effectively- need to ensure patient understands the risk/ benefit of the options

High Triglycerides

NEELI guideline (NEELI ntag)

You request a lipid blood test and the triglycerides are above 4.5 mmol/L.

What do you do?

Total cholesterol mmol/L	6.5
Triglycerides mmol/L	15
HDLc mmol/L	xx
Non HDLc mmol/L	xx

Flow chart for the assessment of Hypertriglyceridaemia Non fasting Triglycerides Non fasting Triglycerides 4.5 - 9.9 mmoVL 10 - 20 mmol/L Moderate Severe Very Severe 1. Identify and correct possible common secondary causes of dyslipidaemia (such as excess alcohol, uncontrolled diabetes, hypothyroidism, liver disease, nephrotic syndrome and medications. 2. Repeat full fasting lipid profile for all and include Apolipoprotein B (ApoB) measurement for those with triglycerides above 10 mmol/L. This should be done 5-14 days or as soon as practical after secondary factors addressed. * Recommended diet should reduce simple sugar, total carbohydrates and fat. Dietary metabolic adaptions require at Least 3 months. ** Current abdominal pain needs urgent assessment for pancreatitis. Repeat FASTING Repeat FASTING Triglycerides 4.5 -Triglycerides 9.9mmol/L 10 - 20 mmol/L Moderate Severe Very Severe Assess and treat CVD risk as for At risk of acute pancreatitis general population but note that CVD risk may be Start Fenofibrate 200mg OD; use reduced dose of 67mg underestimated by risk daily if eGFR 30-59 assessment tools Lifestyle intervention for the longer term: strict fat reduced Start Atorvastatin 20mg OD if diet (< 20% of calories as fat), reduce body weight; reduce Qrisk > 10% intake of alcohol, improve diet, increase aerobic activity Lifestyle intervention: reduce weight, improve diet, reduce * Fibrates work through nuclear transcription. Effects alcohol intake and increase become apparent after ~2-3 weeks of sustained use aerobic activity Seek specialist advice for Non-HDL-C > 7.5 mmol/L Urgent Referral to Lapid Referral to Lipid Clinic Untreated ApoB < 1.0g/L Requests for advice and quidance via eReferral accepted Secondary causes of Hypertriglyceridaemia Obesity Hypothyroidism Metabolic syndrome Renal disease (proteinuria, uraemia or glomerulonephritis) . Diet with high fat or calories Pregnancy (particularly in the third Paraproteinaemia Excess alcohol consumption Diabetes Mellitus (mainly Type 2) Systemic lupus erythematosus Medications (including corticosteroids, oral estrogen, Tamoxifen, thiazides, non-cardioselective beta-blockers and bile acid sequestrants, Cyclophosphamide, L-asparaginase, protease inhibitors and

second-generation antipsychotic agents such as Clozapine and Olanzapine)

Group 2

- Lipid optimisation pathway
- Assessing for Injectable therapies

Lipid optimisation

James 63y

- MI 53y
- Smoker
- BMI 32
- Prescribed atorvastatin 80mg daily

Is primary or secondary prevention required?

What is the cholesterol target?

What treatment options would you recommend?

What else would you discuss?

Total cholesterol mmol/L	7.3
Triglycerides mmol/L	2.4
HDLc mmol/L	1.1
Non HDLc mmol/L	6.2

Telephone call to discuss adding ezetimibe

 James has stopped Atorvastatin as experiencing muscle aches and pains in both legs.

- What do you suggest?
- a)Lower dose statin
- b)Rosuvastatin
- c)Ezetimibe alone

6 months later

- Prescribed rosuvastatin 20mg daily and ezetimibe 10mg daily
- Target nonHDLc <2.5mmol/L
- You request a fasting lipid blood sample

What options would you discuss?

- a) Medication Adherence
- b) Discuss lifestyle factors
- c) PCSK9i / Inclisiran injections

Total cholesterol mmol/L	6.8
Triglycerides mmol/L	2.4
HDLc mmol/L	1.1
Non HDLc mmol/L	5.7
LDLc mmol/L (fasting sample)	4.5

James tells you he hasn't been taking the rosuvastatin and prefers to re-try rather than have an injection.

12 months later

- Stopped rosuvastatin
- Severe muscle aches in both legs,
- Still taking ezetimibe 10mg OD

What treatments do you discuss?

- a) Nothing
- b) Inclisiran (LDL> 2.6mmol/L)
- c) PCSK9i (LDL> 4 mmol/L)

Total cholesterol mmol/L	6.3
Triglycerides mmol/L	2.4
HDLc mmol/L	1.1
Non HDLc mmol/L	5.2
LDLc mmol/L (fasting sample)	4.1

Assess lipid lowering options Sally aged 68y

- MI 62y
- Tried simvastatin/ atorvastatin/ rosuvastatinsevere muscle aches and pains
- Tried ezetimibe gastric upset: bloated/ diarrhoea

Does Sally require primary or secondary prevention?

What is the cholesterol target?

What treatment options do you discuss?

What bloods do you request?

Total cholesterol mmol/L	5.4
Triglycerides mmol/L	1.9
HDLc mmol/L	1.1
Non HDLc mmol/L	4.3

Assess lipid lowering options Sally MI aged 68y

- Secondary prevention
- Intolerance to multiple statins
- LDLc >2.6mmol/L
- Intolerant to ezetimibe so not for bempedoic acid as per NICE TA694

What treatment options do you discuss?

Total cholesterol mmol/L	5.4
Triglycerides mmol/L	1.9
HDLc mmol/L	1.1
Non HDLc mmol/L	4.3
LDLc mmol/L (fasting sample)	3.3

Reflection and action planning

 Take a few minutes to reflect and think about how you can develop your practice/ clinic

 What will you do differently as a result of your learning today?



- How can you raise awareness of FH/ Lipid optimisation? (patients/colleagues)
- How can you support people with FH/ raised cholesterol?

National cholesterol month October 2023

Heart Health

Make sure your heart is taken care of without spending a fortune

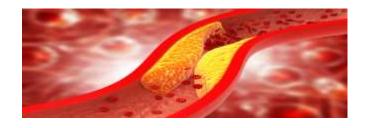
With increasing food costs, eating healthy on a budget can be challenging. You may be more concerned about how much your supermarket bill is, than whether it's healthy.

The good news is that you can take care of both your heart and your wallet - and we'll show you how.



Resources









HEART UK has partnered with the NHS Accelerated Access Collaborative (AAC) and the Academic Health Science (AHSN) Network to provide a comprehensive and varied education programme for healthcare professionals.

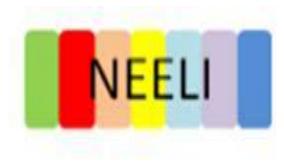
Access our free content, including webinars, e-learning modules, videon and podcasts.

Then the programme









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