

National AAC-AHSN Lipid Management and FH programme

AHSN NENC Cardiovascular Disease (CVD) Prevention Programme Launch

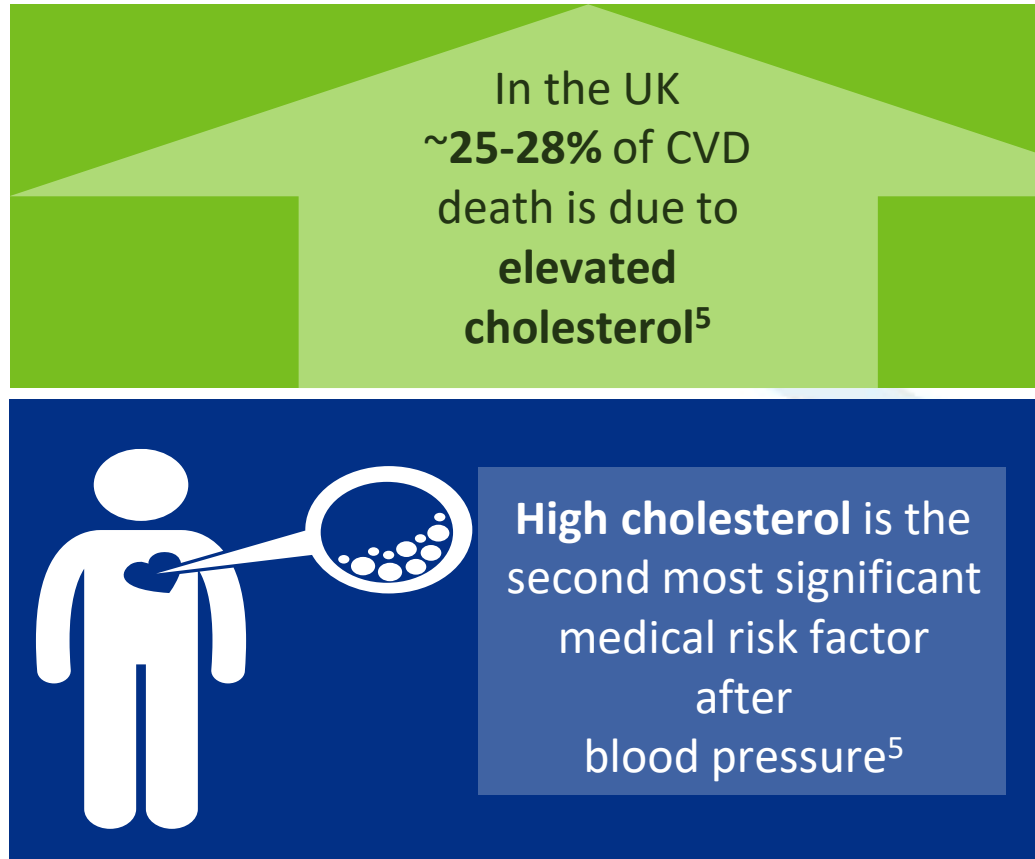
4th November 2020

Dr Joe Chidanyika

National Programme Manager - AAC-AHSN Lipid Management and FH programme

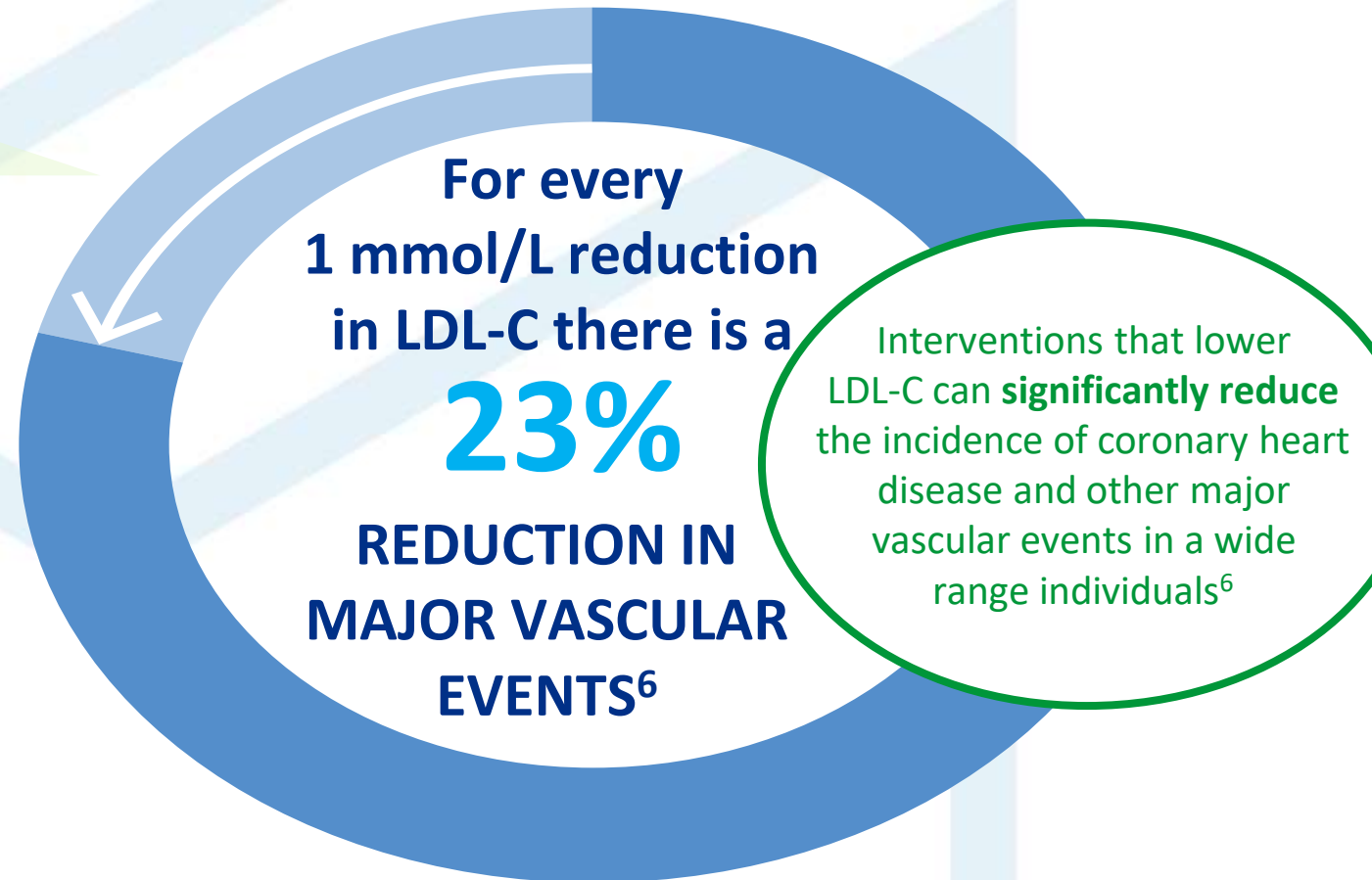
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Why cholesterol management is so important in CVD prevention

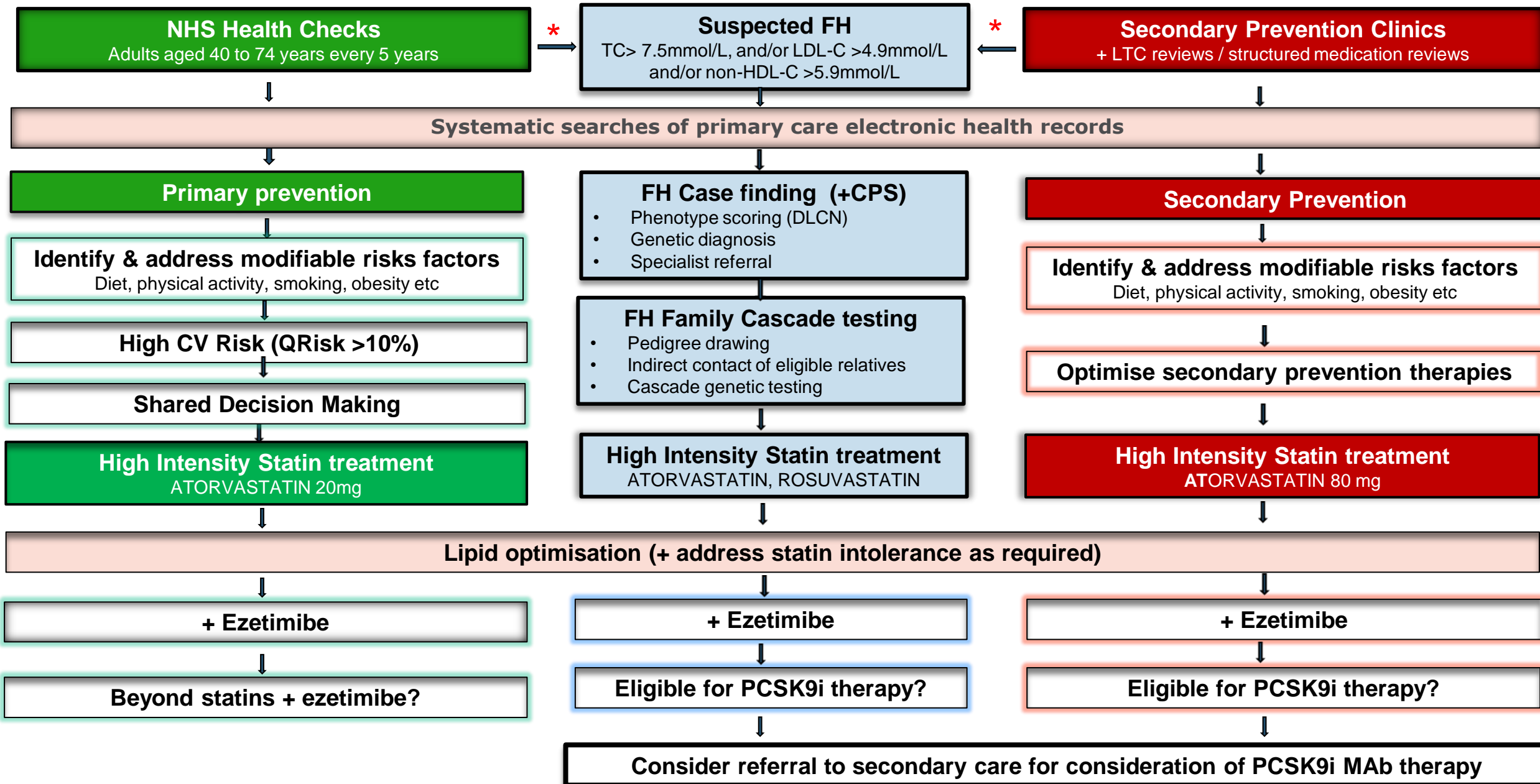


In the UK
~25-28% of CVD
death is due to
elevated
cholesterol⁵

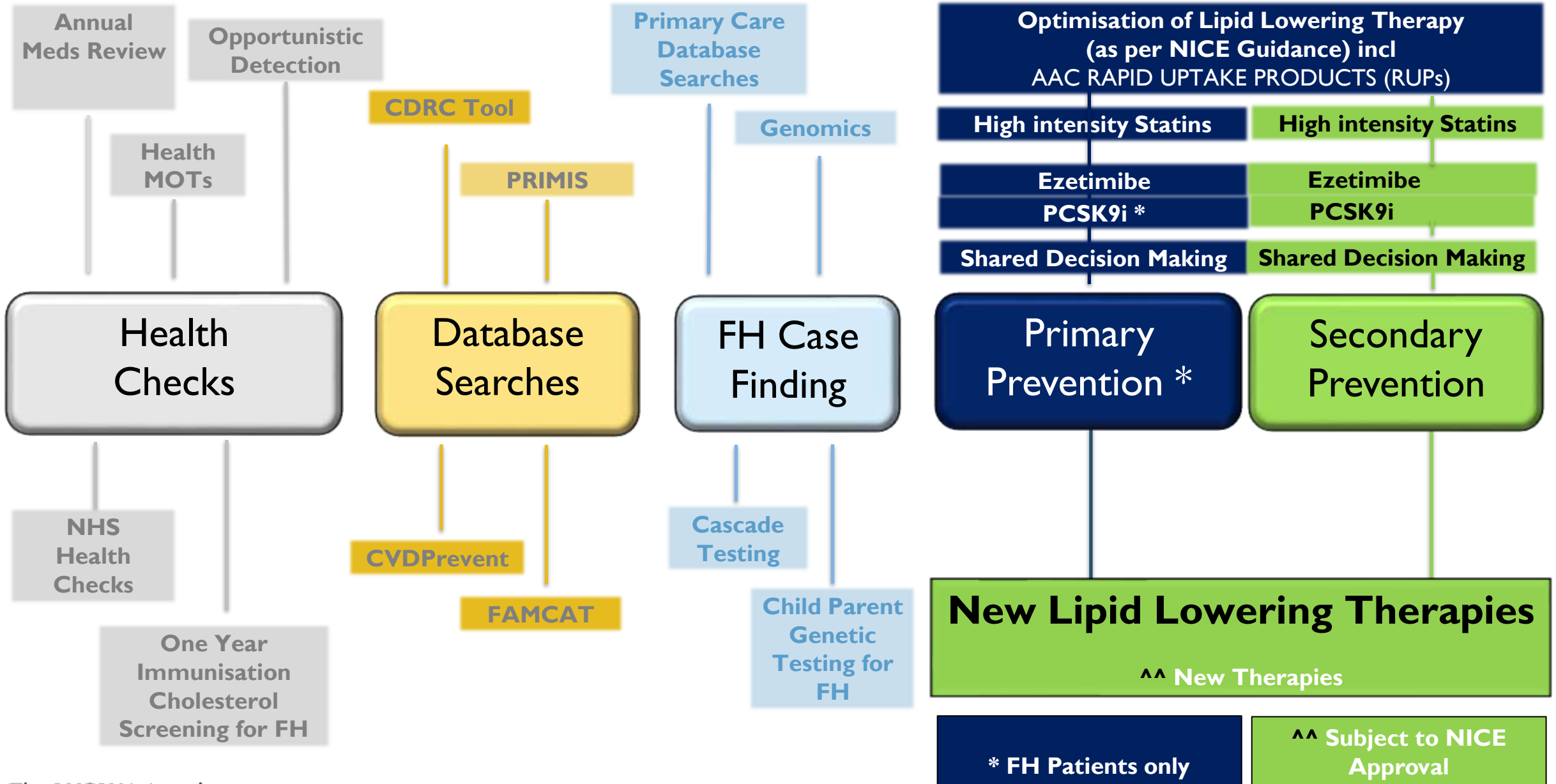
High cholesterol is the
second most significant
medical risk factor
after
blood pressure⁵



Overview of the AAC/AHSN Lipid Management and FH programme



AAC/AHSN Lipid Management and FH programme



Programme Metrics

What we can measure now and plans for the future

To increase the number of individuals having their cholesterol checked by xx% by yy time

- Cumulative % of eligible people over 40 – 74 years who have had an NHS Health Check

By April 2023 increase diagnosis of people with FH from current 4% to 15% of the prevalent English population (LTP target 25% by 2025)

- Identify and treat people with FH, through genetic diagnosis in primary care and subsequent cascade testing for relevant family members – primary care searches performed in each practise
- Establish 4-5 pilot sites for child-parent screening for FH

Improve understanding and appropriate management of high cholesterol

- Increase the proportion of people at high CV risk prescribed a statin
- Increase the proportion of people who are prescribed a high intensity statin rather than a low or moderate intensity statin
- Prescribing rates of high intensity statins, ezetimibe and PCSK9i

Programme and AAC Rapid Uptake product detailed metrics and ambitions to be agreed when CVD Prevent data available

Cascade testing

FH nurse: using mutation identified in family

General Practice

Child-Parent Screening

12-month immunization

Heel Prick - Total Cholesterol (TC)

cut-off $\geq 95^{\text{th}}$ centile (about 6mmol/L) for

FH mutation test



18-month immunization

If first TC $\geq 99^{\text{th}}$ centile and

no mutation, repeat TC

FH+ve

if TC $\geq 95^{\text{th}}$ + mutation or

TC $\geq 99^{\text{th}}$ twice



Test parents for mutation

found in child and TC

The AHSN Network

Database Search

Total Cholesterol >7.5 mmol/L if age <30

Total Cholesterol >9 mmol/L if age ≥ 30



Exclude secondary causes



Invite back to GP



Attend for assessment

Calculate Dutch (or Welsh) Score



Venous blood sample



FH+ve

if TC >7.5 (<30 yr)

Or if >9 (>30 yr) +

FH mutation

FH Result

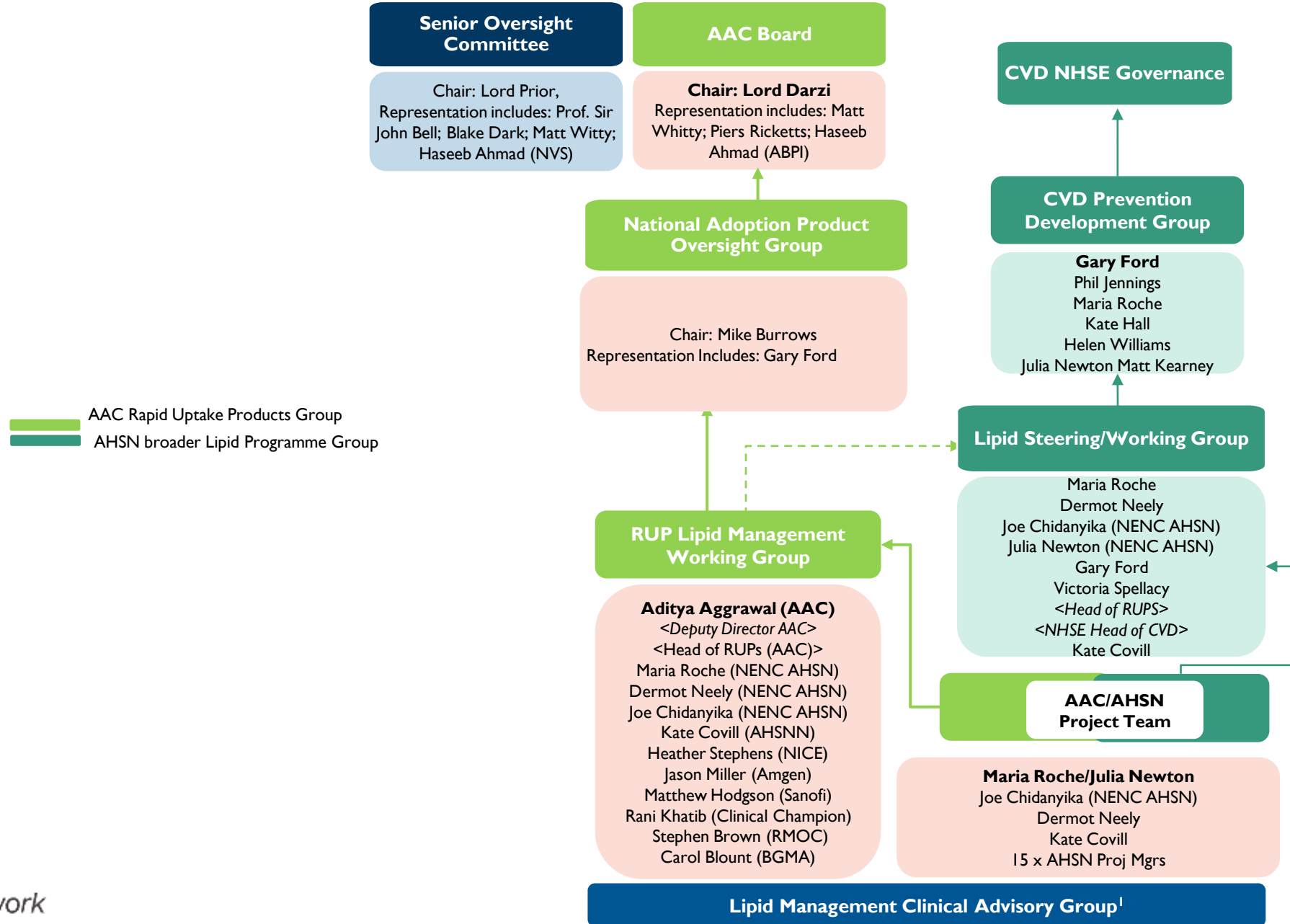
Genomic Hub

FH mutation analysis

LDLR, ApoB, PCSK9, ApoE



Governance overview



Thank You.