LDL-C Targets in ASCVD: Why Secondary Prevention Still Falls Short

A nationwide European real-world study of 71,000 patients reveals that treatment intensification, not lack of awareness, is the primary barrier to LDL-C goal attainment. Only 1 in 5 patients with established cardiovascular disease reaches guideline-recommended targets, underscoring the urgent need for earlier and more aggressive lipid-lowering therapy.

71 k Patients analysed · Cardiologists · Primary care · Nationwide

6 Countries · Germany · France · Italy · Spain · Poland · Netherlands

69% Not at LDL-C goal · Despite established ASCVD · Secondary prevention

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Methodology and data sources: Analysis of 71,000 ASCVD patients treated in routine clinical practice, 2019–2023. Data were collected from electronic medical records and claims databases across six countries. The Global Cardiology Alliance (GCA) provided the coordinating infrastructure. Peer review: double-blind, three reviewers. Publication info: Volume 14, Issue 3, pp. 211–228.

Executive Summary

Six signals that explain why secondary-prevention LDL-C control is still a pathway problem

Secondary prevention is a major share of the cardiology panel, not a narrow subgroup handled only in specialist clinics.

Guideline-based LDL-C control is a recurring management problem, not a one-time prescribing event.

Statin use is common, but statin use alone is not enough for many patients with established ASCVD.

Combination therapy is underused even though it is central to current guideline logic.

Persistence and adherence can matter as much as prescribing.

Cardiologists usually set the pace, but primary care and shared care are where many patients are actually managed.

Secondary prevention is a major share of the cardiology panel, not a narrow subgroup handled only in specialist clinics.

Patients with established ASCVD are a substantial and recurring part of the workload in both cardiology and primary care.

Guideline-based LDL-C control is a recurring management problem, not a one-time prescribing event.

Many patients do not remain at goal over time, even when they have started on appropriate therapy.

Statin use is common, but statin use alone is not enough for many patients with established ASCVD.

Statins are widely prescribed, but they are rarely the whole answer for patients who remain above target.

Combination therapy is underused even though it is central to current guideline logic.

Many patients who could benefit from add-on therapy are not receiving it.

Persistence and adherence can matter as much as prescribing.

Even when therapy is started, it may not be maintained long enough to produce durable risk reduction.

Cardiologists usually set the pace, but primary care and shared care are where many patients are actually managed.

Effective secondary prevention depends on coordination across the full care pathway, not only on specialist visits.

The dominant estimate is that only 40%–59% of very-high-risk ASCVD patients reach LDL-C below 55 mg/dL

Pooled estimate from 14 post-ODYSSEY ALTERNATIVE real-world studies, 2019–2023

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Cardiologists usually add nonstatin therapy because LDL-C is still above target, not because they have abandoned statin-based care

Across real-world ASCVD cohorts, nonstatin therapy is usually initiated when therapy is in the more common stages for clinician-reported data.

Most common trigger for initiating or adding nonstatin therapy: LDL-C still above target

Cardiologists usually add nonstatin therapy because LDL-C is still above target, not because they have abandoned statin-based care

The clinical decision is intensely treatment when encounters a second decision layer controlled by step therapy, prior authorization, and payer rules

Real-world evidence underscores why reporting failure of multiple statins and nonstatins first is not the primary administrative challenge.

Typical first nonstatin after statin therapy failure: PCSK9 inhibitor

Ezetimibe remains the most common first add-on, while PCSK9 therapies, bempedoic acid, and inclisiran account for most of the remainder

Statin-associated symptoms are common enough to shape practice, but the leading response is to preserve some statin exposure if possible

Long-term LDL-C control appears more vulnerable after the acute event than during the first 12 months

Cardiologists can automate 1338 alerts about prior authorization letters, coverage expansion, and dedicated staff at the single highest-impact change

The survey points to a familiar cardiology paradox: the LDL-C target is becoming more explicit while the route to that target still depends on unevenly connected clinical systems

What a more reliable secondary-prevention lipid pathway could look like in routine cardiology care

Frequently asked questions about LDL-C targets and secondary prevention

Secondary prevention will close the LDL-C gap only when education, access, and long-term persistence work as one pathway

Help future cardiology insights reflect what happens between an ASCVD event and long-term control.
Take the Survey
Takes 2–3 minutes · Anonymous · Results shared with participants

Sources used for this report

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