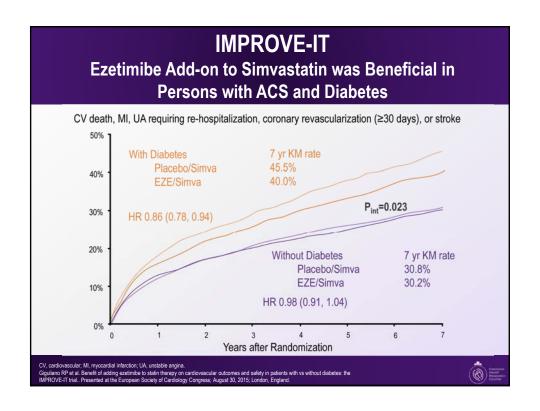


Drug class* Generic name* (tradename)	Principal effects	Other considerations
Bile acid sequestrants (BAS) Cholestyramine resin Colesevelam Colestpol HCI	Lowers LDL-C	Gl intolerability, which worsens with increasing dose May elevate TG Colesevelam has A1C lowering effect
Cholesterol absorption inhibitor Ezelimibe	Lowers LDL-C	Loss effective than statins as monotherapy Effective when used in combination with a statin to further lower LDL-C
Fibrates Bezafitrate Fenoforate Gentilerezii	Lowers TG Variable effect on LDL-C Highly variable effect on HDL-C (more effective at raising HDL-C when baseline TG is high)	May increase creatinine and homocysteine levels; however, favorable effects on renal function have been noted with long-term fanolibrate treatment, possible beenfel of fenofibrate on retinopathy On not use gernfibrozal in combination with a statin due to increased risk of myopethy and rhabdomyolysis
Nicotinic acid Extended-release niacin Immediate-release niacin Long-acing (e.g. "no-flush") not recommended	Raises HDL-C Lowers TG Lowers LDL-C Lowers Lp(a)	To be used selectively and cautiously but not to be used prior to trials of ezetimbe or BAS Can cause dose-related deterioration of glycemic control Long-acting niacin should not be used due to increased hepatiotoxicity and decreased efficacy
PCSK9 Inhibitor Alrocumab Evolocumab	Lowers LDL-C Lowers Lp(a)	Injection site reactions CV risk reduction shown in one randomized clinical trial of secondary prevention, including in a subset with type 2 diabetes



Recommendations for Lipid Management in Diabetes

- For people with diabetes with indications for lipid-lowering therapy, treatment should be initiated with a statin1 to achieve LDL-C consistently <2.0 mmol/L² or >50% reduction of LDL-C from baseline³.
 - Alternative targets and respective goals are apo B <0.8 g/L and non-HDL-C <2.6 mmol/L4. CANADA

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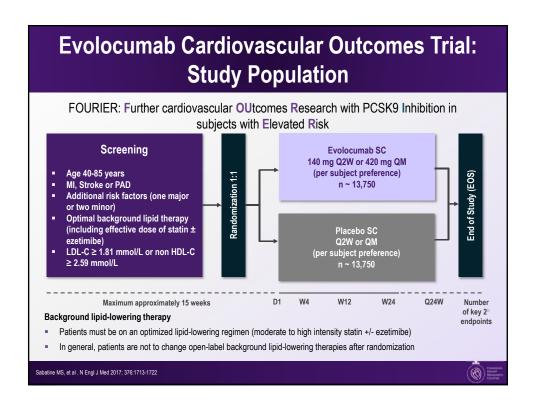
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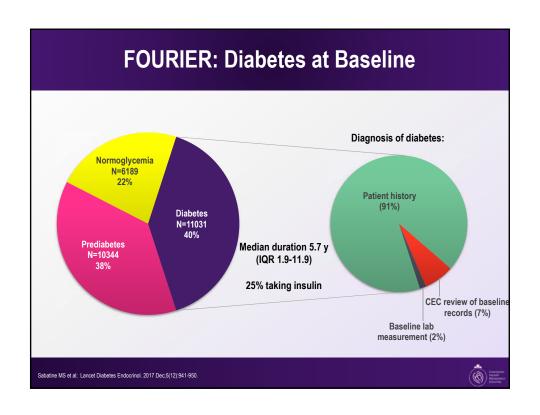
- 2 [Grade C, Level 3] 3 [Grade D, Consensus]

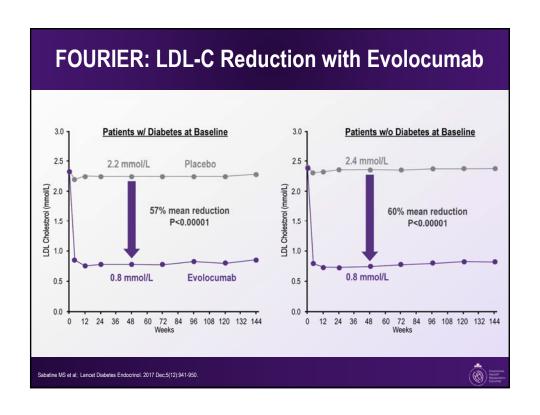
betes Canada Clinical Practice Guidelines Expert Committee. Diabetes Canada 2018 Clinical Practice Guidelines for the f nagement of Diabetes in Canada. Can J Diabetes. 2018;42(Suppl 1):S1-S325

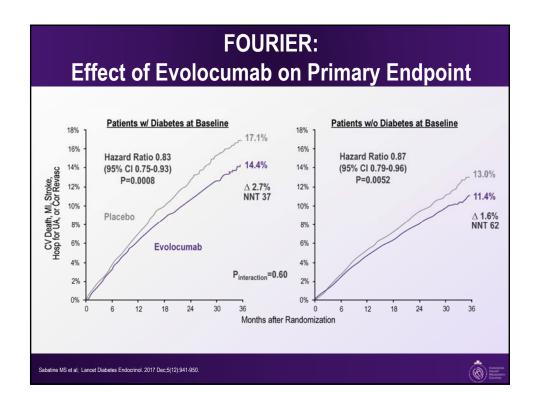
Many High-Risk Canadian Patients Treated with Statins Are Not at LDL-C Goal DYSIS¹ Canadian high-risk patients are NOT at LDL-C target^{1*} (< 2.0 mmo/L) 45% 88% of patients received a 'potent' statin with suboptimal dose 14% of patients received additional lipid-lowering agent DM-SCAN² 43% Canadian patients with diabetes are NOT at LDL-C target[†] (≤ 2.0 mmo/L) 82% of patients were on a lipid-lowering agent *High risk = coronary artery disease, peripheral arterial disease, cerebrovascular disease, diabetes mellitus or Framingham 10-year risk score ≥20%. DYSIS Study – 2,436 patients, 1913 high risk patients. Goodman SG et al. on behalf of the DYSIS Canadian Investigators. Can J Cardiol. 2010;26:e330-e335. Leiter LA et al. on behalf of the DM-SCAN investigators. Can J Diabetes. 2013;37:82-89. (B)

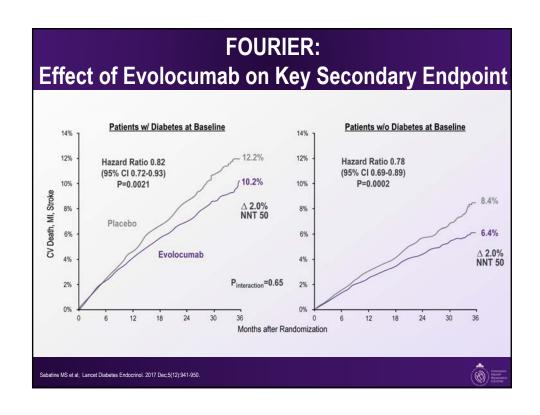


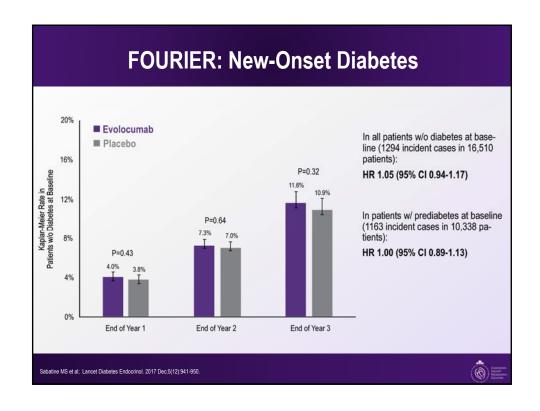


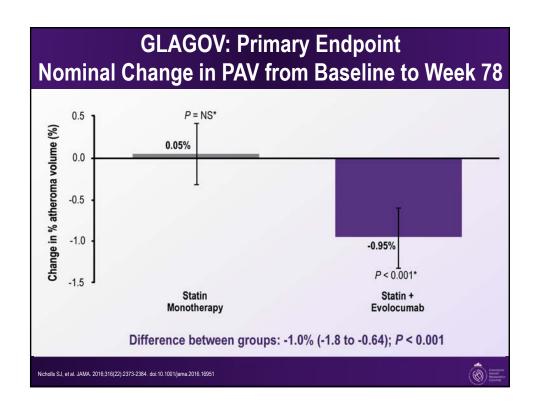


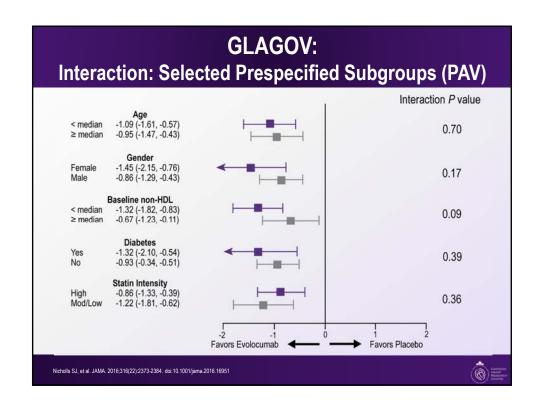


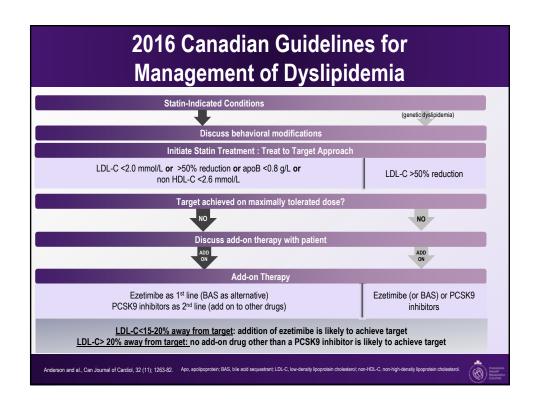












Summary

- Statin monotherapy may not achieve targets in all patients
- Previous add-ons to statin are suboptimal
- PCSK9 inhibitors appear to have similar efficacy and safety in individuals with and without diabetes (with greater absolute risk reduction) and with no apparent adverse effects on glycemia

