



Lipids 201: Beyond atorvastatin 40

This webinar will start shortly.





Cardiology at the interface of primary and secondary care - session four

Lipids 201: Beyond atorvastatin 40

Zoom webinar – Wednesday 3 September 2025 6.30 - 8pm

Acknowledgement of traditional owners

We acknowledge the Tasmanian Aboriginal people as the traditional owners and ongoing custodians of the land on which we are meeting today. We pay our respects to Elders past and present.

We would also like to acknowledge Aboriginal people who are joining us today.

Learning outcomes

- Explain the role of dyslipidemia in the development of atherosclerotic cardiovascular disease.
- Evaluate the role of absolute risk assessment in the management of cardiovascular risk.
- Identify contemporary LDL targets in high risk populations
- Describe the treatment options for high-risk dyslipidemia.

Some housekeeping

- Tonight's webinar is being recorded
- Please use the Zoom Q&A feature to ask questions
- At the end of the webinar your browser will automatically open an evaluation survey. We appreciate you taking the time to complete this to help us improve our events programme
- Please don't forget to register for your next webinar at:
 https://www.primaryhealthtas.com.au/for-health-professionals/events/

Presenter



Dr Andrew Black

Panel



Dr Paul MacIntyre



Dr Graeme Bleach



Lipids 201: Beyond atorvastatin 40



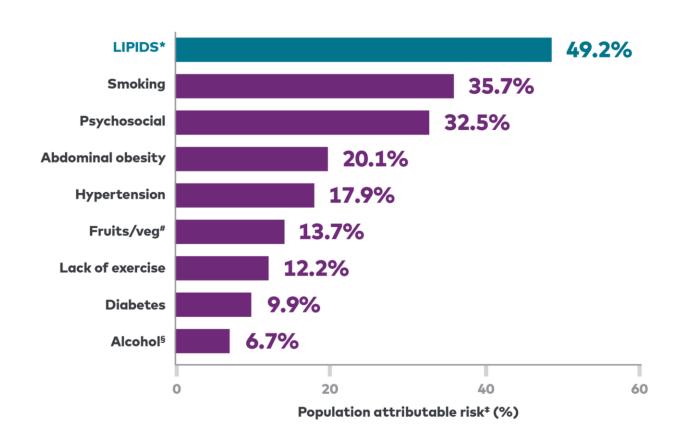


European Heart Journal (2020) **41**, 111–188 doi:10.1093/eurheartj/ehz455

2019 ESC/EAS Guidelines for the management of dyslipidaemias: lipid modification to reduce cardiovascular risk

The Task Force for the management of dyslipidaemias of the European Society of Cardiology (ESC) and European Atherosclerosis Society (EAS)

Why does it matter?

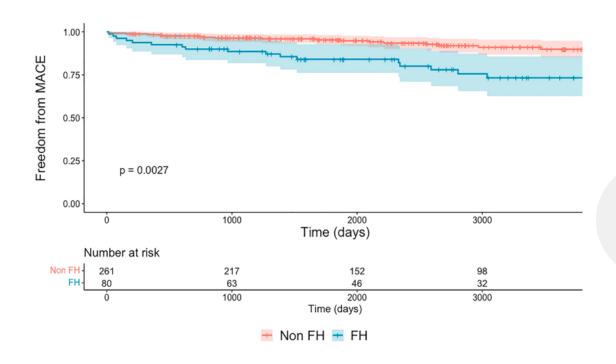


- 1. Yusuf S et al. Lancet 2004; 364: 937-952.
- 2. Rockhill B et al. Am J Public Health 1998; 88: 15-19.

Biochemical and clinical outcomes by FH status.

XXX	Non-FH (n=261)	Possible FH (n=249)	FH (n=80)	P-value (FH vs Non-FH)	
LDL-C <1.8 mmol/L achieved	119 (45.6)	85 (34.1)	15 (18.8)	<0.001	
LDL-C <1.4 mmol/L achieved	44 (16.9)	27 (10.8)	7 (8.8)	0.11	
MACE	23 (8.8)	37 (14.9)	17 (21.3)	0.0047	
Acute coronary syndrome	11 (4.2)	19 (7.6)	8 (10.0)	0.09	
Coronary revascularisation	5 (1.9)	11 (4.4)	5 (6.3)	0.1	
Stroke	5 (1.9)	7 (2.8)	1 (1.3)	1	
Cardiac death	4 (1.5)	6 (2.4)	5 (6.3)	0.06	

Abbreviations: FH, familial hypercholesterolemia; LDL-C, low-density lipoprotein cholesterol; MACE, major adverse cardiovascular event.



Absolute cardiovascular risk

- Risk factors synergistic
- Higher risk → Greater benefit
- Physicians and patients under-estimate risk
- AusCVDRisk: cvdcheck.org.au

Australian guideline and calculator for assessing and managing cardiovascular disease risk



Target population

- All people 45 79 years
- People with diabetes aged 35 79
- First nations people aged 30 79
- Without known CVD
- Exclusions
 - Moderate to severe CKD: eGFR < 45
 - Familial hypercholesterolemia
 - (Calcium score > 100; extreme Lp(a) elevation)

0% 5% 10% High risk Low Risk Intermediate Risk High Risk Consider reclassifying down a category if ? Consider reclassifying up a category if ? Coronary artery calcium score of 0 ? Coronary artery calcium score > 99 units, or ≥ 75th percentile for age and sex ? East Asian ethnicity (Chinese, Japanese, Korean, First Nations people ? Taiwanese, or Mongolian ethnicities) ? Māori, Pacific Islander or South Asian ethnicity (Indian, Pakistani, Bangladeshi, Sri Lankan,

Select to proceed to the results page

Reclassify down to low risk

Reclassify down to intermediate risk

Continue without reclassifying

Nepali, Bhutanese or Maldivian ethnicities) ?

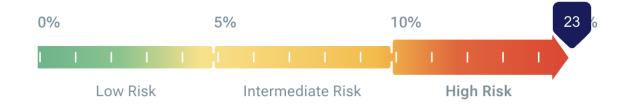
Family history of premature CVD ?

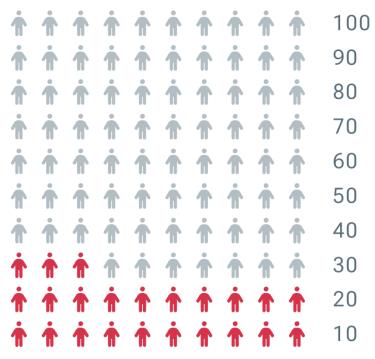
People living with severe mental illness ?

Chronic kidney disease ?

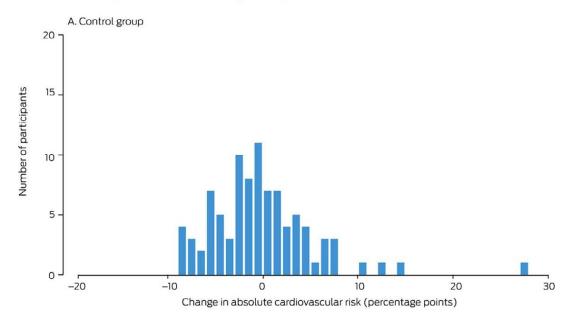
23% High risk

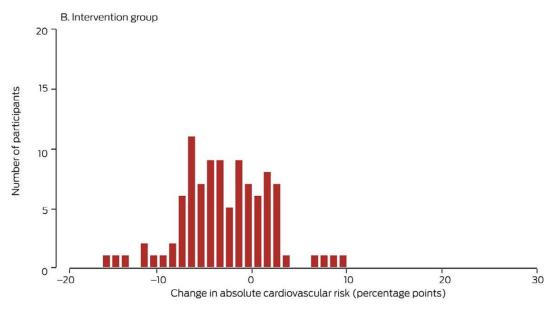
Your current risk of having a heart attack or stroke in the next 5 years is 23 out of 100, which is considered high. Imagine 100 people like you. 23 of those people will have a heart attack or stroke in the next 5 years if they don't take action.





3 Changes in individual absolute cardiovascular risk scores between baseline and follow-up assessments, by study arm





Young people

- Low absolute risk may conceal high relative risk
- Lifetime risk
- Risk age (<u>www.HeartScore.org</u>)
- Careful with calcium scores
- **A** Symptomatic

Women

• Risk is *deferred*, not lower

Other risk modifiers

- AF
- Physical inactivity
- Obesity
- Major psychiatric disorders
- Chronic inflammatory conditions

Overall optimal risk control

Very high risk

- ASCVD
- Event, intervention, >50% plaque (multiple)
- DM2 with end-organ damage
- DM1 > 20 years duration
- Severe CKD (eGFR < 30)
- SCORE > 10% 10-year risk

High risk

- TC > 8, LDL > 4.9, BP > 180/110
- FH
- DM > 10 years
- Moderate CKD (eGFR 30 59)
- SCORE 5 10%

Moderate risk

- DM < 10 years
- SCORE 1 5%

Low risk

• SCORE < 1%

ESC risk groups

	Total CV risk	Untreated LDL-C levels							
	(SCORE) %	<1.4 mmol/L (55 mg/dL)	1.4 to <1.8 mmol/L (55 to <70 mg/dL)	1.8 to <2.6 mmol/L (70 to <100 mg/dL)	2.6 to <3.0 mmol/L (100 to <116 mg/dL)	3.0 to <4.9 mmol/L (116 to <190 mg/dL)	≥4.9 mmol/L (≥190 mg/dL)		
Primary prevention	<1, low-risk	Lifestyle advice	Lifestyle advice	Lifestyle advice	Lifestyle advice	Lifestyle intervention, consider adding drug if uncontrolled	Lifestyle intervention and concomitant drug intervention		
	Class ^a /Level ^b	I/C	I/C	I/C	I/C	Ila/A	IIa/A		
	≥1 to <5, or moderate risk (see <i>Table 4</i>)	Lifestyle advice	Lifestyle advice	Lifestyle advice	Lifestyle intervention, consider adding drug if uncontrolled	Lifestyle intervention, consider adding drug if uncontrolled	Lifestyle intervention and concomitant drug intervention		
	Class ^a /Level ^b	I/C	I/C	Ila/A	IIa/A	IIa/A	IIa/A		
	≥5 to <10, or high-risk (see <i>Table 4</i>)	Lifestyle advice	Lifestyle advice	Lifestyle intervention, consider adding drug if uncontrolled	Lifestyle inter- vention and con- comitant drug intervention	Lifestyle intervention and concomitant drug intervention	Lifestyle intervention and concomitant drug intervention		
	Class ^a /Level ^b	Ila/A	IIa/A	Ila/A	I/A	I/A	I/A		
	≥10, or at very-high risk due to a risk condition (see Table 4)	Lifestyle advice	Lifestyle intervention, consider adding drug if uncontrolled	Lifestyle intervention and concomitant drug intervention	Lifestyle inter- vention and con- comitant drug intervention	Lifestyle intervention and concomitant drug intervention	Lifestyle intervention and concomitant drug intervention		
	Class ^a /Level ^b	IIa/B	IIa/A	I/A	I/A	I/A	I/A		
Secondary prevention	Very-high-risk	Lifestyle intervention, consider adding drug if uncontrolled	Lifestyle intervention and concomitant drug intervention	Lifestyle intervention and concomitant drug intervention	Lifestyle intervention and concomitant drug intervention	Lifestyle intervention and concomitant drug intervention	Lifestyle intervention and concomitant drug intervention		
	Class ^a /Level ^b	IIa/A	I/A	I/A	I/A	I/A	I/A		

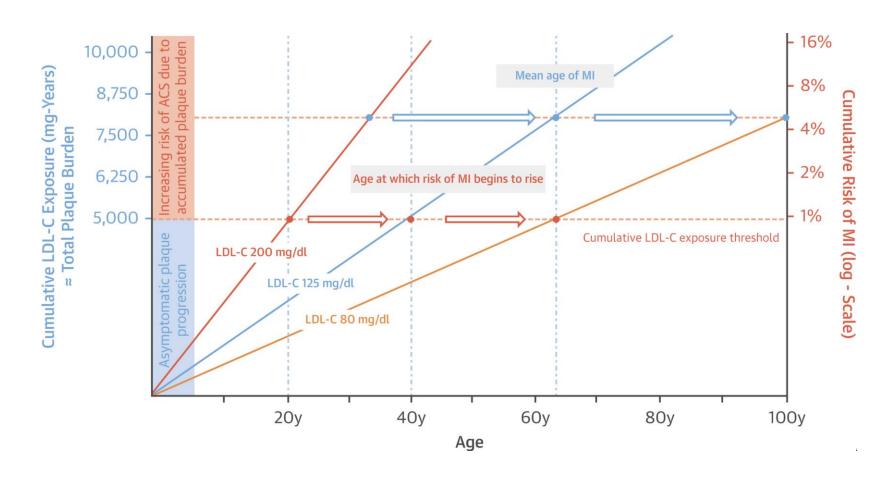
Metabolic pathways of lipoproteins Gut Heart muscle Lipoprotein lipase Chylomicrons Skeletal muscle Adipose tissue Remnant particles Liver HDL Cells in vascular wall and in other Cholesterol Native HDL HDL tissues ©ESC-

Lipoproteins

	Diameter (nm)	Major apolipoprotein
Chylomicrons	80 – 100	ApoB-48
VLDL	30 – 80	ApoB-100
IDL	25 – 30	ApoB-100
LDL	20 – 25	ApoB-100
HDL	8 – 13	ApoA-1
Lp(a)	25 – 30	Apo(a)

- Pro-thrombotic, pro-inflammatory, pro-atherogenic
- Strongly and causally associated with ASCVD

LDL particles have a causal and cumulative effect on ASCVD risk



Lipid measurements

- Standard panel: TC, HDL, TG
 - LDL calculated: LDL = TC HDL (TG/2.2)
- Direct LDL measurement
- ApoB measurement
- Non-fasting generally adequate
- Lp(a) measured once
 - Family history

Treatment targets

- Risk reduction directly related to reduction in LDL
- No lower threshold
- Benefits not restricted to statin therapy

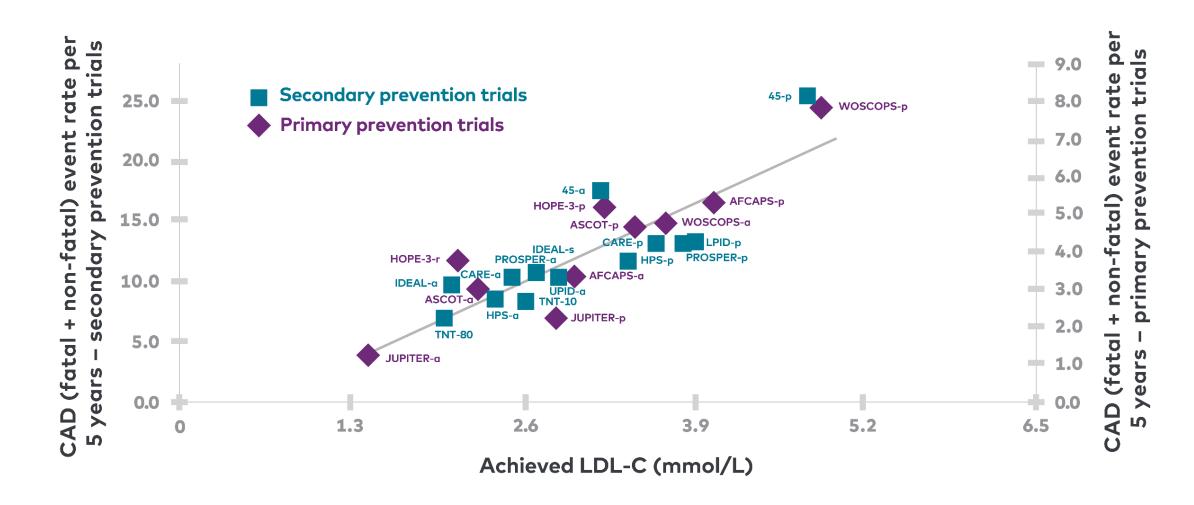
- ESC guidelines
 - Reduce LDL to as low as possible
 - Minimum 50% reduction, plus
 - Target goal
 - Secondary prevention
 - < 1.4mmol/L secondary prevention (class I)
 - < 1.0mmol/L if recurrent events (class IIb)
 - Primary prevention
 - < 1.8mmol/L if high risk (class I)
 - < 2.6mmol/L if moderate risk (class IIa)
 - < 3.0mmol/L if low risk (class IIb)

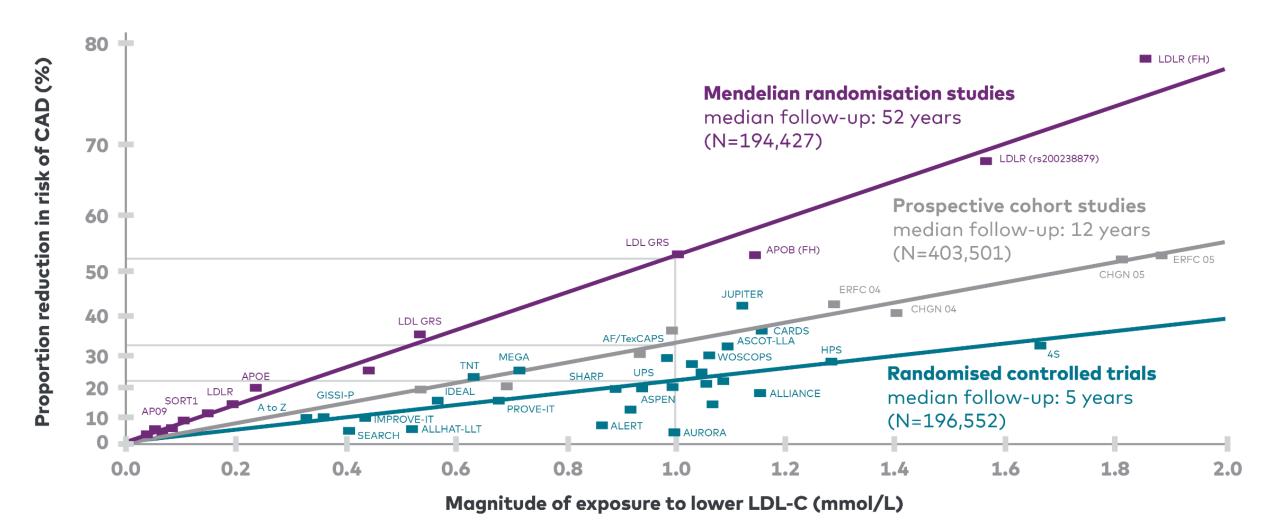


Management - lifestyle

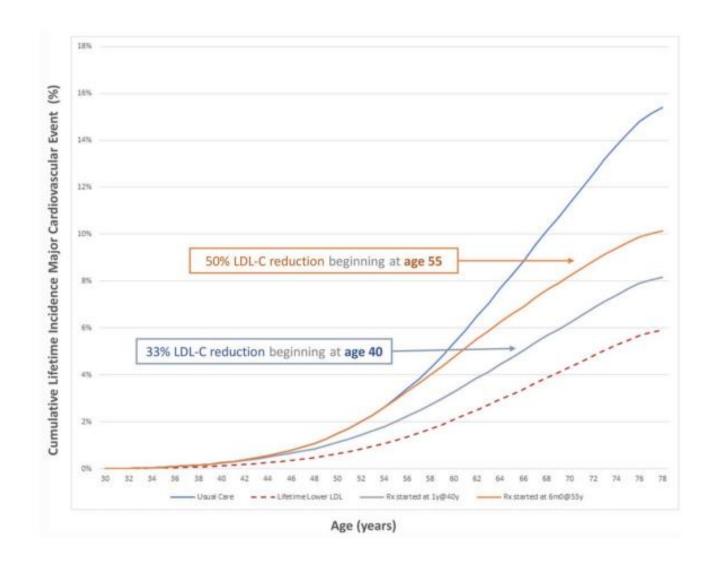
- Dietary measures
 - Saturated fats increase LDL
 - Reduced intake ~ 10% reduction
 - Trans fats increase LDL and lower HDL
 - Plant sterols compete with cholesterol for intestinal absorption (olive & canola oil, veg, fruit, nuts, grains, legumes)
 - High in Mediterranean diet
 - Event rates ↓ (1 ° and 2° prevention)
 - LDL-C ↓ (~ 0.2mmol/L)
 - Portfolio diet
 - Low saturated fat, increased fiber, plant sterols, soy protein, nuts
 - LDL reduction ? 20 30% ? 15%; no CV outcome trials
- Weight loss: LDL ↓ 0.2mmol/L per 10kg loss
- Exercise

Management - pharmacotherapy



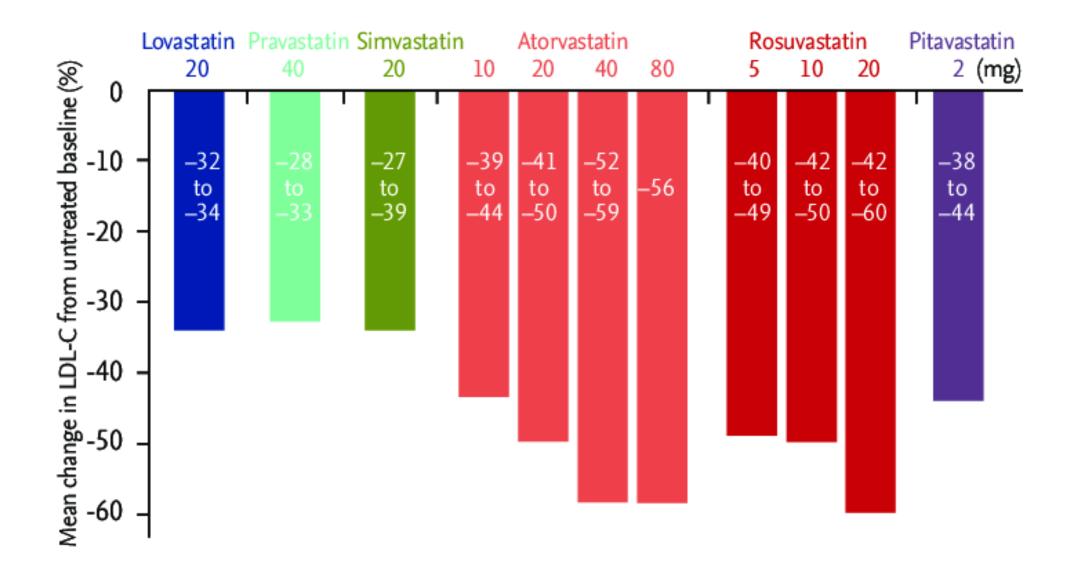


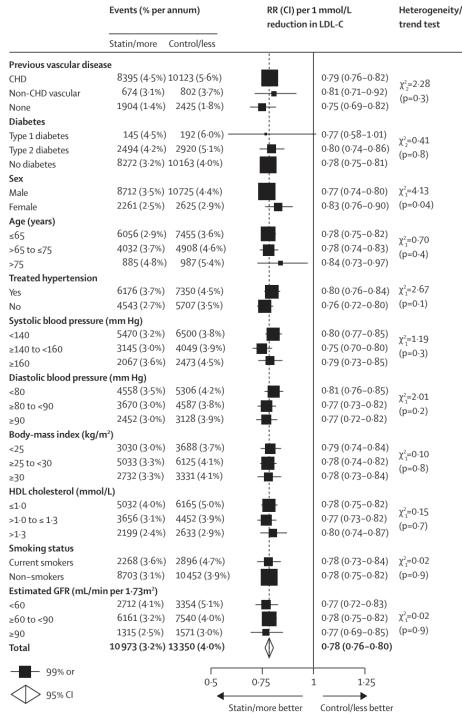
Treat high risk early



Statins

- Inhibit HMG-CoA-reductase
- Reduce LDL synthesis



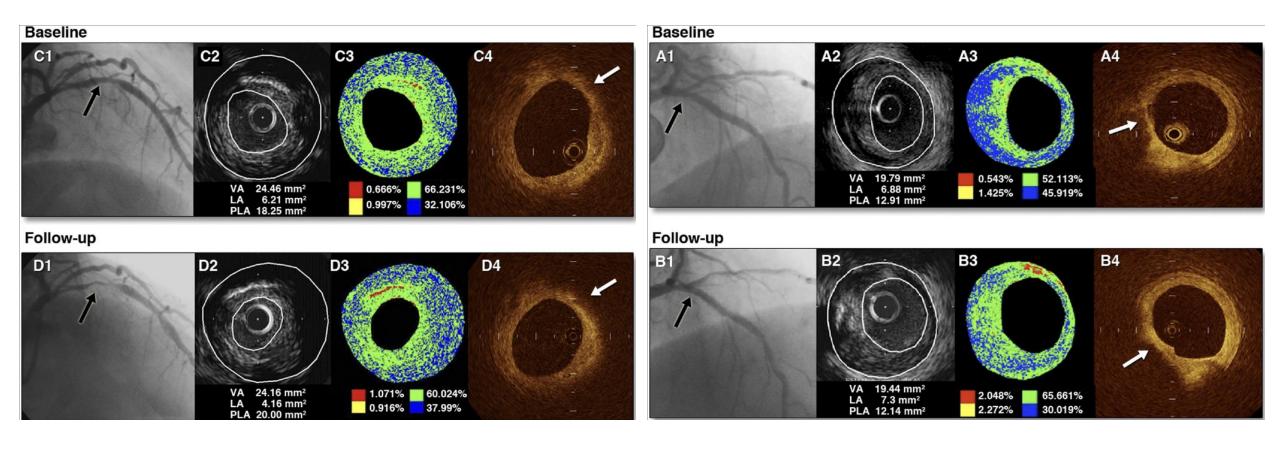


Cholesterol Treatment Trialists' (CTT) Collaboration Meta-analysis

- 26 RCTs, n > 170,000
- More vs less intensive statin or statin vs placebo
- 1mmol/L reduction in LDL
 - → 20% \ vascular events at 5 years
 - → 10% ↓ all-cause mortality
 - Consistent primary vs secondary prevention

	No of events/total									
Outcome	No of Statin studies group		Control group	Odds ratio (95% CI)	Odds ratio (95% CI)		Absolute risk difference (95% CI)	Test of effect (P value)	(95% CI)	Q test (P value)
Muscle symptoms	21	3459/36 026	2785/29 278	1.06 (1.01 to 1.13)		.	15 (1 to 29)	0.030	1 (0 to 47)	0.45
Muscle disorders	25	70/46746	55/38 994	0.88 (0.62 to 1.24)			0 (-1 to 1)	0.461	0 (0 to 0)	0.99
Liver dysfunction	21	406/31 305	217/23 498	1.33 (1.12 to 1.58)			8 (3 to 14)	0.001	0 (0 to 23)	0.84
Renal insufficiency	8	597/16858	520/15 143	1.14 (1.01 to 1.28)	-		12 (1 to 24)	0.037	0 (0 to 23)	0.89
Diabetes	9	1190/29318	1161/29311	1.01 (0.88 to 1.16)	_•	_	1 (-10 to 13)	0.882	50 (0 to 77)	0.04
Eye conditions	6	321/15 282	234/10046	1.23 (1.04 to 1.47)	-		14 (2 to 29)	0.019	0 (0 to 36)	0.85
Myocardial infarction	1 22	996/50093	1316/45 055	0.72 (0.66 to 0.78)			-19 (-23 to -15)	<0.001	33 (0 to 60)	0.07
Stroke	17	634/39 340	786/39 133	0.80 (0.72 to 0.89)			-9 (-12 to -5)	<0.001	20 (0 to 55)	0.22
Death from CVD	22	836/51 005	979/44 954	0.83 (0.76 to 0.91)			-8 (-12 to -4)	<0.001	27 (0 to 57)	0.12
				0	.5 0.8 1.0	0 1.25	2.0			

- Systematic review and meta-analysis
- 62 primary prevention trials
- n > 120,000
- 4-year follow-up



Statin adverse effects

- Statin-associated muscle symptoms (SAMS)
 - 10 15% in observational studies
- Myositis
 - CK > ULN
- Rhabdomyolysis
 - 1 3 cases / 100,000 person-years
 - Consider if CK > 10x ULN (often >40x ULN)
- CK > 10 ULN: Stop, check UEC, monitor
- CK 4 10 ULN no Sx: Repeat, 2 6 weeks
- CK 4 10 ULN + Sx: Stop and monitor CK +/- rechallenge
- CK < 4x ULN ok / monitor

Managing SAMS

- ? Hypothyroidism
- Drug interactions
- Cautious dosing in elderly
- 'Statin holiday'
- Alternative statin
- Low dose
- Alternate-daily dose

- Hepatic adverse effects
 - Mild ALT elevation in 0.5 2.0%
 - Generally, check at baseline and once at 8/52
 - > 3x ULN → cease or reduce dose & re-check 4/52

Diabetes

Meta-Analysis > Lancet. 2010 Feb 27;375(9716):735-42. doi: 10.1016/S0140-6736(09)61965-6. Epub 2010 Feb 16.

Statins and risk of incident diabetes: a collaborative meta-analysis of randomised statin trials

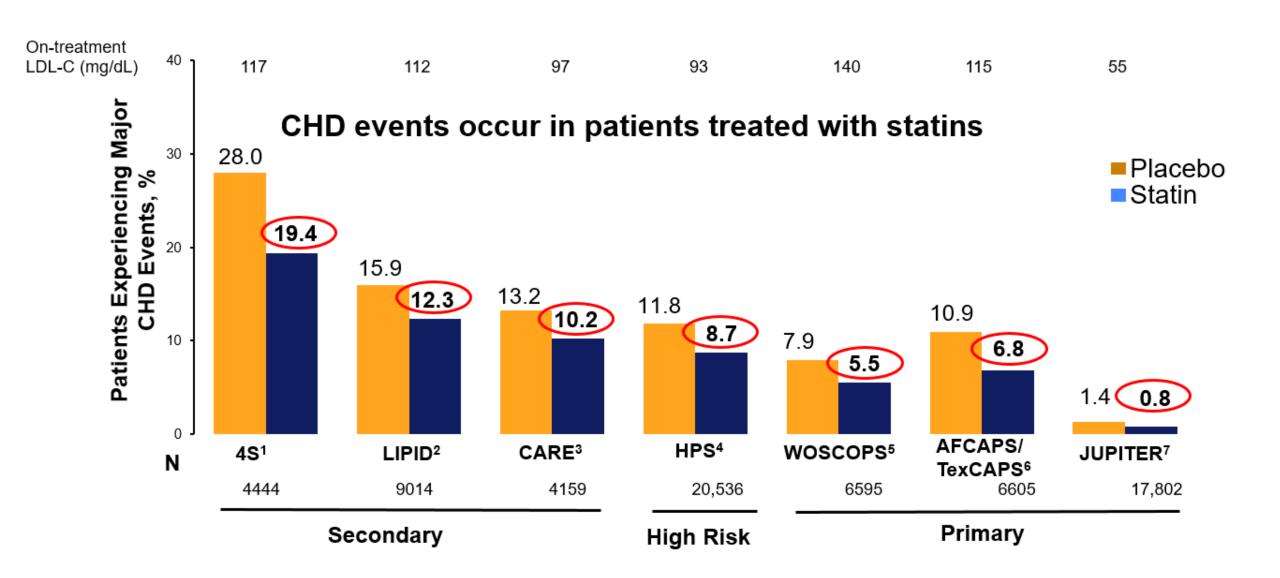
Naveed Sattar ¹, David Preiss, Heather M Murray, Paul Welsh, Brendan M Buckley,
Anton J M de Craen, Sreenivasa Rao Kondapally Seshasai, John J McMurray, Dilys J Freeman,
J Wouter Jukema, Peter W Macfarlane, Chris J Packard, David J Stott, Rudi G Westendorp,
James Shepherd, Barry R Davis, Sara L Pressel, Roberto Marchioli, Rosa Maria Marfisi,
Aldo P Maggioni, Luigi Tavazzi, Gianni Tognoni, John Kjekshus, Terje R Pedersen, Thomas J Cook,
Antonio M Gotto, Michael B Clearfield, John R Downs, Haruo Nakamura, Yasuo Ohashi,
Kyoichi Mizuno, Kausik K Ray, Ian Ford

- 13 statin trials
- Secondary prevention
- n=91,000
- Diabetes OR 1.09 (95% CI 1.02 1.17)
- NNH 255 over 4 years

- Haemorrhagic stroke
 - ↑ in CTT meta-analysis
 - Not consistently replicated in other analyses

- Drug interactions (myopathy / rhabdo)
 - Most statins undergo metabolism via CYP3A4 (not prava / rosuvastatin)
 - Potential interactions:
 - Azole antifungals
 - Macrolide antibiotics
 - HIV protease inhibitors
 - Calcium channel blockers
 - Amiodarone
 - Grapefruit juice
 - Ciclosporin
 - Gemfibrozil (fenofibrate ok)

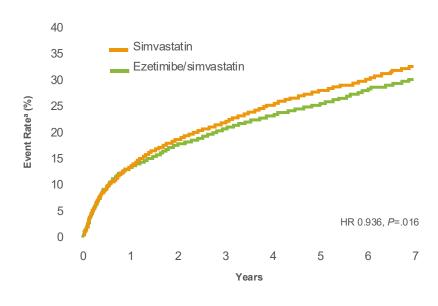
Pregnancy and breastfeeding



Ezetimibe

- Decreases intestinal uptake of dietary and biliary cholesterol
- LDL-C down ~ 20% +/- statin





• Cannon CP, et al. N Engl J Med. 2015;372(25):2387-97.

PRECISE-IVUS trial

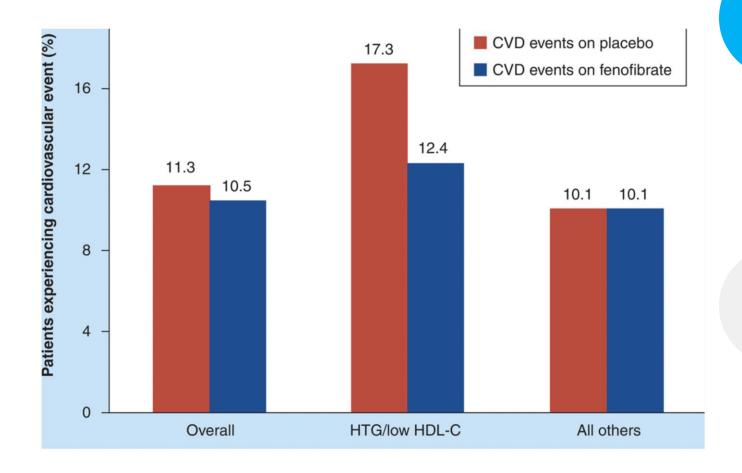
- Atorvastatin vs atorvastatin + ezetimibe
- Prospective, randomized, controlled trial
- n=202 post PCI
- Plaque volume (IVUS) at baseline and 9-12 months

	Absolute Change				
	LZ Group (n = 100)	p Value Compared With Baseline	L Group (n = 102)	p Value Compared With Baseline	p Value Between Groups
Plaque volume, mm ³	-3.9 (-10.6 to 0.0)	< 0.001	-1.0 (-6.8 to 5.7)	0.4	0.001
Percent atheroma volume, %	-1.4 (-3.4 to -0.1)	< 0.001	-0.3 (-1.9 to 0.9)	0.03	0.001
ACS cohort	-2.3 (-3.7 to -0.5)	< 0.001	-0.2 (-1.3 to 0.5)	0.2	< 0.001
SAP cohort	-1.2 (-2.2 to -0.1)	0.001	-0.7 (-2.3 to 1.1)	0.08	0.2



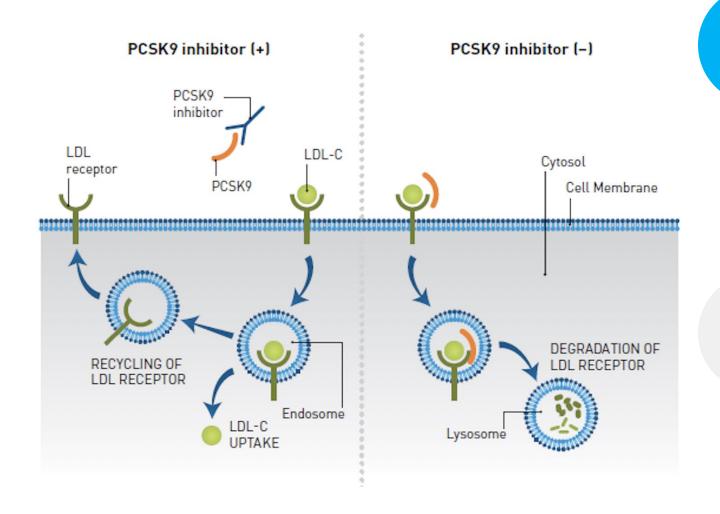
Fibrates

- Agonists of PPAR-α
- Affect lipid metabolism
 - 50% reduction in TG
 - < 20% reduction in LDL
 - < 20% increase in HDL
- CV events
 - Mostly -



PCSK9 inhibitors

- Monoclonal antibodies
 - Evolocumab
 - Alirocumab
- siRNA
 - Inclisiran



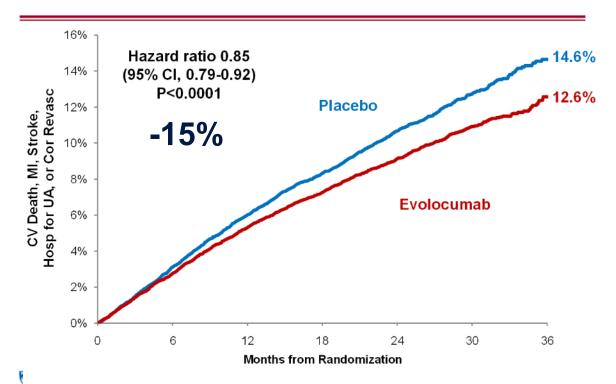
- LDL down 50 60%
- TG down 25%
- HDL up 10%
- Lp(a) down 30 40%

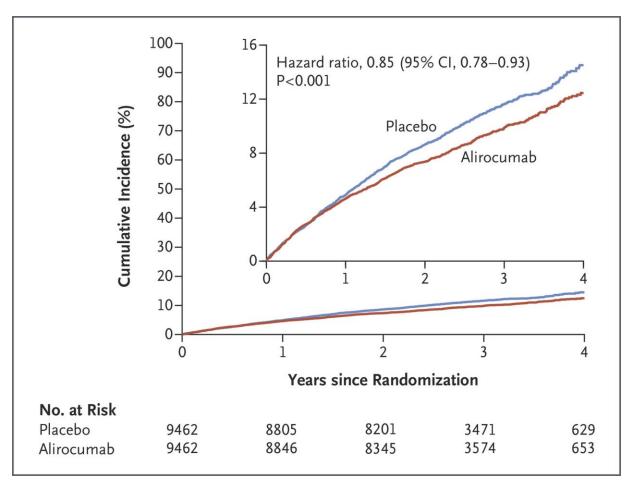
	Evolocumab (AMG 145)	Alirocumab (SAR236553 / REGN727)	
Trial	FOURIER	ODYSSEY Outcomes	
Sample size	27,564	18,924	
Patients	Stable ASCVD (MI, stroke, or PAD) with high-risk features	4-52 weeks post-ACS	
Age	63	58	
Statin High-intensity statin No statin	Atorvastatin ≥20 mg or equivalent 69% 0.2%	Evidence-based medical Rx 89% 2.5%	
LDL-C mg/dL (mmol/L): inclusion Baseline LDL-C mg/dL (mmol/L)	≥70 (≥1.8) 92 (2.4)	≥70 (>1.8) 87 (2.3)	
PCSK9 inhibitor dosing	Q2W or Q4W	Q2W	
Endpoint	1°: CV death, MI, stroke, revascularization, or hospitalization for UA Key 2°: CV death, MI, or stroke	CHD death, MI, ischemic stroke, or hospitalization for UA	
Follow-up	26 months	34 months	



Primary Endpoint



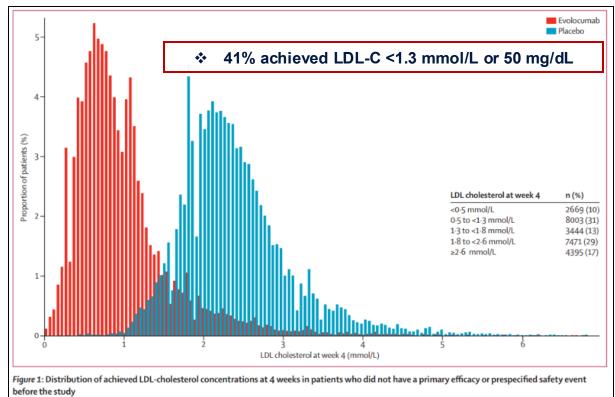




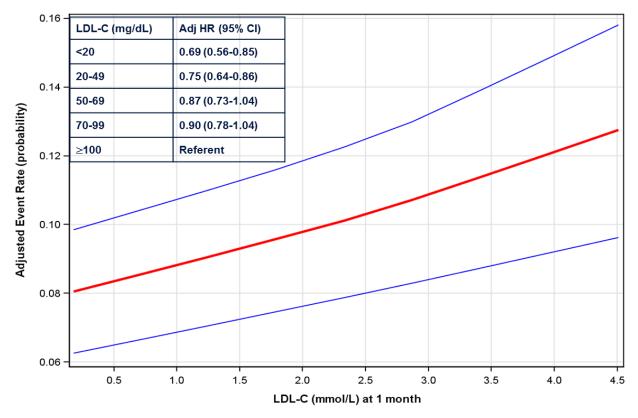


- No interactions
- Itching at injection site
- Flu-like symptoms
- No diabetes signal

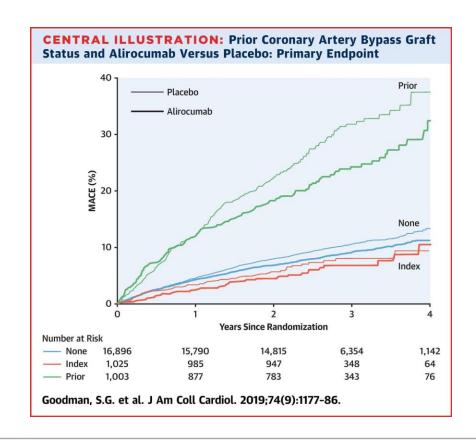
FOURIER: Efficacy and safety of very low LDL-C

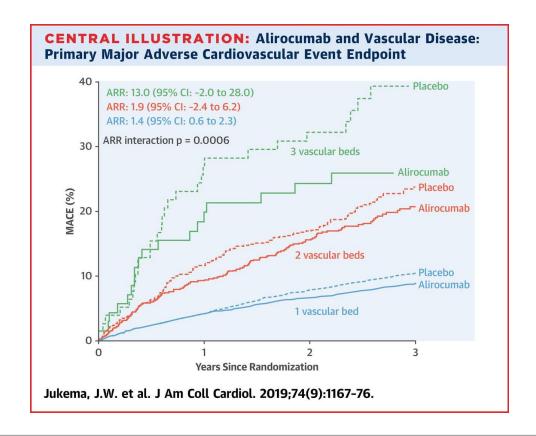


Red bars are evolocumab (median 0.8 mmol/L, IQR 0.5-1.2). Blue bars are placebo (median 2.2 mmol/L, IQR 1.9-2.7).

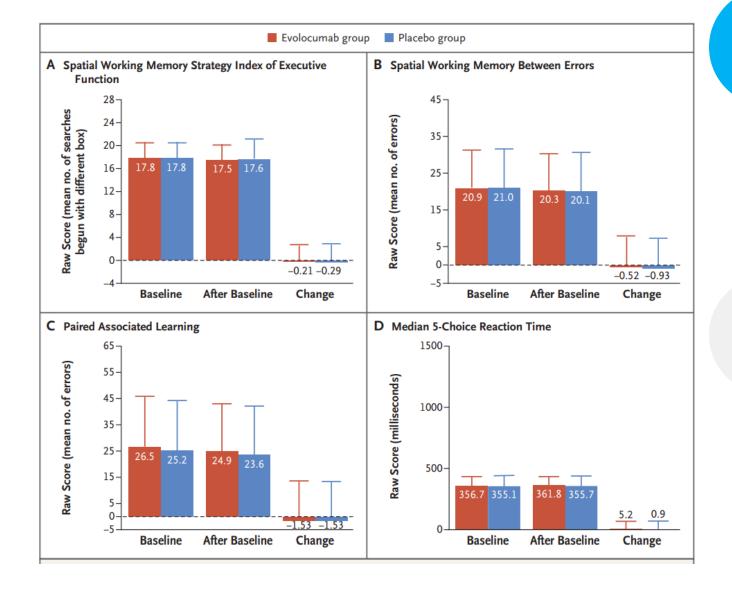


ODYSSEY: Prior CABG and polyvascular disease





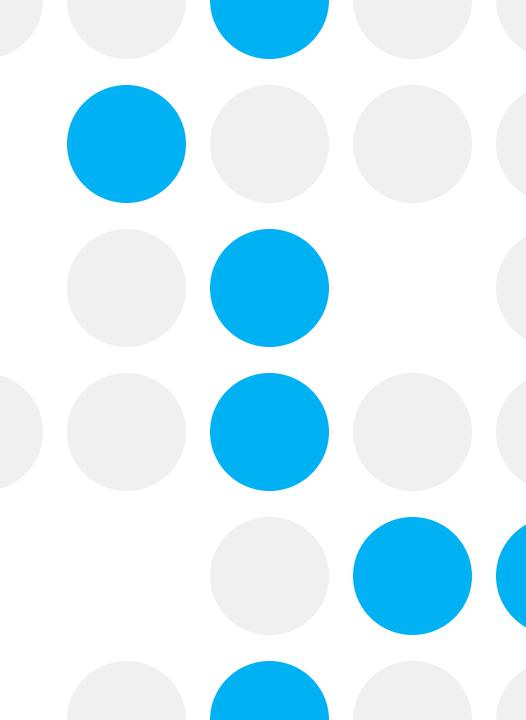
EBBINGHAUS Study of cognitive function during treatment with evolocumab

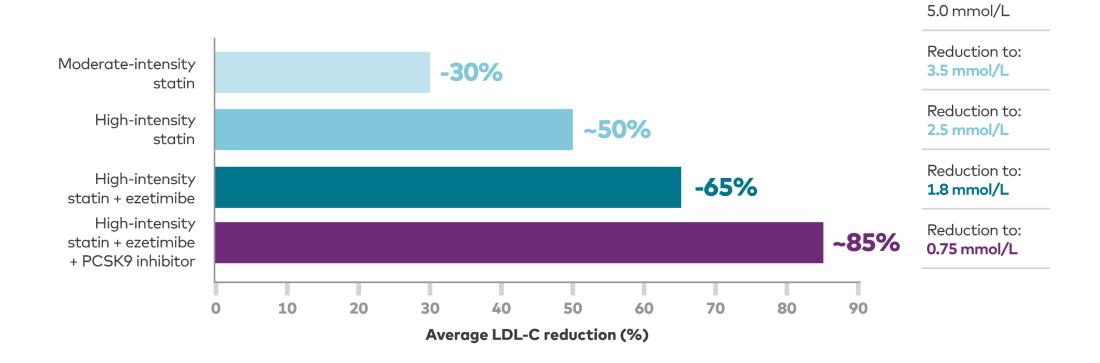


Inclisiran

- ORION series of clinical trials
 - ORION-9, 10, 11, 8 (OLE)
 - LDL down ~ 50 55%
 - CV outcomes trials pending
 - ORION-4
 - VICTORION-2 PREVENT

Compliance





Example

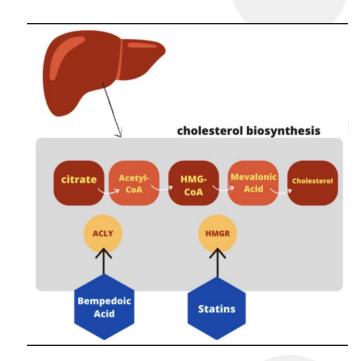
Baseline LDL-C:

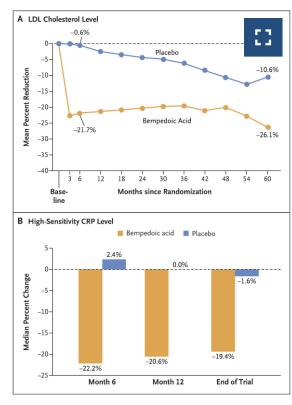
PCSK9 inhibitor eligibility (Aus)

- Max tolerated statin (atorva or rosuva) + ezetimibe
- FH criteria
 - DLCNS >=6 (or molecular diagnosis)
 - LDL > 1.8mmol/L if symptomatic ASCVD, or LDL > 5.0mmol/L
- Non-FH criteria
 - Symptomatic ASCVD and LDL > 1.8mmol/L plus
 - ASCVD in >=2 vascular territories
 - Multi-vessel coronary disease
 - Diabetes with microalbuminuria or age >=60 or first nations people
 - TIMI risk score secondary prevention >=4

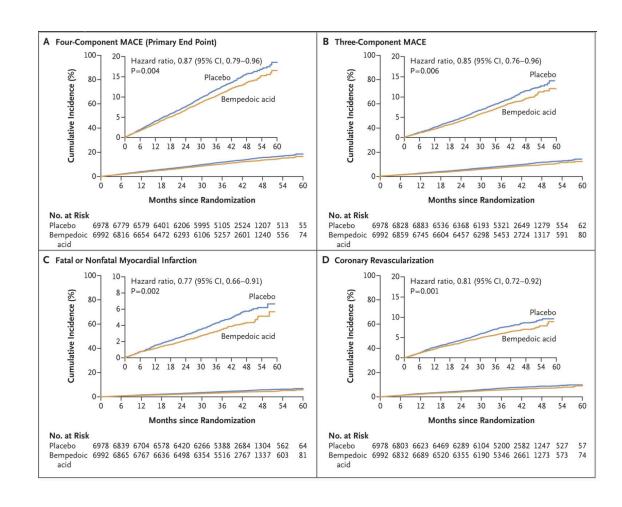
Bempedoic acid

- ATP citrate lyase inhibitor
- Prodrug, only activated in hepatocytes
 - Low incidence of muscle related side effects
- Reduced LDL synthesis
 - Upregulation of LDLR
 - \psi LDL-C ~ 20- 30%
- Statin intolerance and PCSK9i ineligible
 - Ezetimibe + bempedoic acid ↓ LDL 50%





Changes in LDL Cholesterol and High-Sensitivity CRP Levels over Time.



Omega-3 fatty acids

- Eicosapentaenoic acid (EPA)
- Docosahexaenoic acid (DHA)
- EPA + DHA combination not effective
- Over the counter preparations not effective

EPA

- JELIS
 - Statin + 2gm/day EPA or placebo
 - · Primary and secondary prevention, high TC
 - MACE 2.8 vs 3.5%, HR 0.81 (p=0.011)
- REDUCE-IT
 - Icosapent ethyl 2gm bd purified EPA vs placebo
 - Established CVD or high-risk primary prevention
 - TG 1.5 5.6
 - LDL 1.06 2.59
 - MACE 17.2 vs 22.0% (HR 0.75; 95% CI: 0.68 0.83; p<0.0001)
 - Adverse events
 - Hospitalisation for AF 3.1 vs 2.1% (p=0.004)
 - Serious bleeding events 2.7% vs 2.1% (p=0.06)

A Primary End Point 100 ¬ Hazard ratio, 0.75 (95% CI, 0.68-0.83) 90-P<0.001 Placebo 💉 80-20-Patients with an Event (%) 70-Icosapent ethyl 60-10-50-40 30-20-10 Years since Randomization No. at Risk

3327

3431

2951

2347

2503

1358

1430

Placebo

Icosapent ethyl

4090

4089

3743

3787

Yokoyama M, et al. *Lancet* 2007;369:1090-1098 Bhatt DL, et al. *NEJM* 2019;380:11-22

- Icosapent ethyl PBS
 - "Established ASCVD with hypertriglyceridaemia"
 - On statin (or intolerant)
 - LDL 1.0 2.6mmol/L
 - fTG 1.7 5.6mmol/L
 - ii bd
 - Bleeding (? timing), AF

Nicotinic acid

- Raises HDL, maybe reduces LDL
- 2 RCTs no benefit; ↑ SAE



Familial hypercholesterolemia

- Autosomal dominant; prevalence ~ 1:200
- Under-recognised, under-treated
- Dutch Lipid Score >=6
 - LDL >=5 mmol/L
- Vascular event risk high
- Treat early
- Genetic testing (DLS 6+) +/- cascade



		`
Criteria		Score
Family history		
vascular disease (men aged < OR	wn premature coronary and/or 55 years, women aged <60 years) wn LDL-cholesterol above the 95 th	1
First degree relative with tend cornealis OR Children aged <18 years with percentile for age and gender		2
Clinical history		
Patients with premature coro <55 years, women aged <60 y	nary artery disease (men aged rears)	2
Patients with premature cere disease (men aged <55 years,		1
Physical examination		
Tendinous xanthomata		6
Arcus cornealis before 45 yea	rs of age	4
Investigation		
LDL-cholesterol (mmol/L)	LDL-C ≥8.5	8
NB. This is the untreated LDL-	LDL-C 6.5-8.4	5
cholesterol concentration. See supporting documentation for	LDL-C 5.0-6.4	3
method of calculation.	LDL-C 4.0-4.9	1
		Patient total

Diagnosis	Total
Definite FH	>8
Probable FH	6-8
Possible FH	3-5
Unlikely FH	<3

About us

Contact us

Information -



LDL-C calculator

Choice of calculator

Untreated LDL-C		
1.2 💠	mmol/L ▼	

Lipid lowering therapies

Statin:	rosuvastatin 🔻
Statin dose (mg):	40 🕶
Ezetimibe?	Yes No
Bempedoic acid?	Yes No
PCSK9 inhibitor?	Yes No





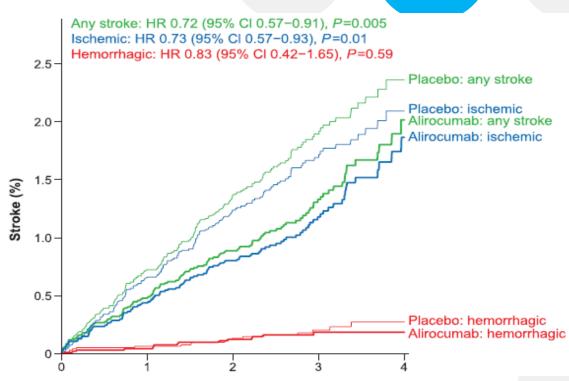




	Placebo, n (%)	Evolocumab, n (%)	95% CI	
End point	N=13780	N=13784	Hazard ratio	<i>P</i> Value
All stroke	262 (1.9)	207 (1.5)	0.79 (0.66–0.95)	0.01
Ischemic	226 (1.6)	171 (1.2)	0.75 (0.62-0.92)	0.005
Hemorrhagic	25 (0.18)	29 (0.21)	1.16 (0.68–1.98)	0.59
Unknown	14 (0.10)	13 (0.09)	0.93 (0.44–1.97)	0.84
Ischemic stroke or TIA	295 (2.1)	229 (1.7)	0.77 (0.65–0.92)	0.003
TIA	76 (0.55)	61 (0.44)	0.80 (0.57-1.12)	0.20

Giugliano et al. *Stroke* 2020;51:1546-54





Jukema et al. Circ 2019;140:2054-62

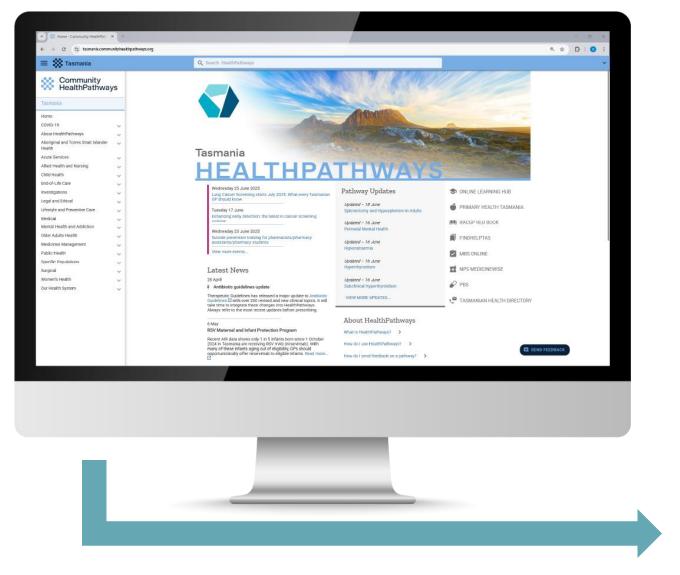




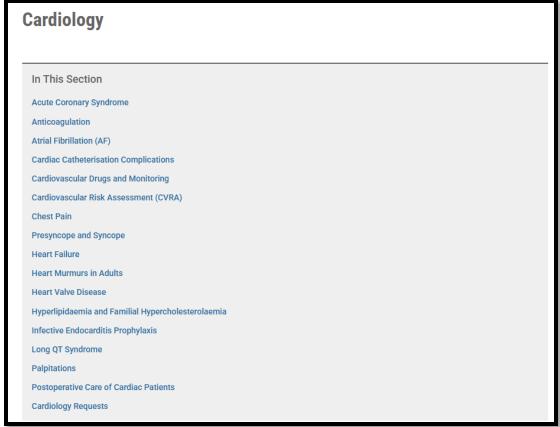
Tasmanian HealthPathways

is a web-based information portal developed by Primary Health Tasmania. It is designed to help primary care clinicians plan local patient care through primary, community and secondary healthcare systems.

tasmania.communityhealthpathways.org





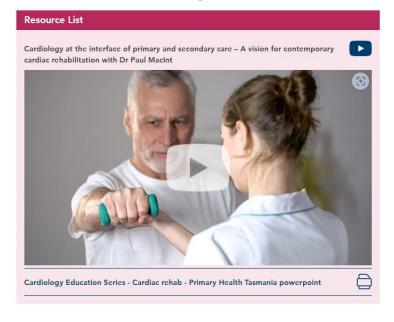




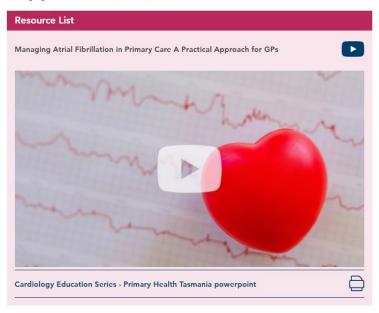
To gain access to HealthPathways, please email healthpathways@primaryhealthtas.com.au

Cardiology Series

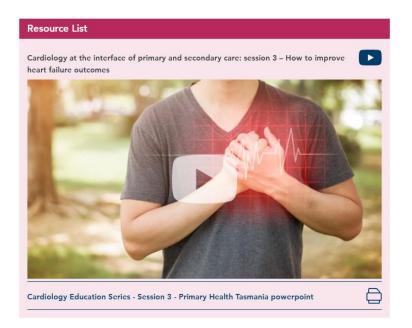
Cardiology at the interface of primary and secondary care – A vision for contemporary cardiac rehabilitation with Dr Paul MacIntyre



Cardiology at the interface of primary and secondary care – Managing Atrial Fibrillation in Primary Care: A Practical Approach for GPs



Cardiology at the interface of primary and secondary care – How to improve heart failure outcomes



Primary Health Tasmania's Learning Hub

learning.primaryhealthtas.com.au | Password: phtlearning

Some final words

- After this webinar end, your browser will open a link to an evaluation survey.
- Statements of attendance will be emailed to participants.
- For event queries, please contact <u>events@primaryhealthtas.com.au</u>

Thank you

Disclaimer

- Information presented in webinars organised by Primary Health
 Tasmania can come from a number of sources, and does not
 necessarily reflect the views of Primary Health Tasmania. Every
 reasonable effort is taken to ensure the information is accurate and
 current.
- The content is general in nature please refer to any referenced guidelines or standards for further information. Health professionals should rely on their own independent inquiries and professional judgement when making any decisions.
- Primary Health Tasmania and the Australian Government are not responsible for any injury, loss or damage however arising from the use of or reliance on the information provided in this webinar.





Stay informed



www.primaryhealthtas.com.au



www.facebook.com/primaryhealthtas



www.twitter.com/TasPHN @TasPHN

