



## Statin Cost Efficacy

The **Statin Cost Efficacy Grid** details the cost and LDL lowering efficacy of all currently available statins. Statins and doses are highlighted based on evidence or cost efficacy. The green column highlights the minimum therapeutic bar for treatment of low and moderate risk patients. The orange column highlights the minimum therapeutic bar to halt atherosclerotic progression. The pink column highlights the minimum therapeutic bar for treatment of high risk patients or patients with atherosclerotic risk equivalents. The bright orange column highlights the minimum therapeutic bar to induce atherosclerotic regression. See the **Lipid Optimization Tool** for the therapeutic protocol.

STATIN	Dose	Cost/tab\$	%LDL Red	%LDL Red Law	%LDL Red Stellar	%LDL Reduction						
						30%	35%	40%	45%	50%	55%	60%
Lovastatin	20mg	0.49	26	29				Green	Orange	Pink	Bright Orange	
(generic)	40mg	0.90	31	37		0.9		Green	Orange	Pink	Bright Orange	
Pravastatin	10mg	0.41	22	20	20			Green	Orange	Pink	Bright Orange	
(generic)	20mg	0.48	25	24	24			Green	Orange	Pink	Bright Orange	
	40mg	0.58	30	29	30	0.58		Green	Orange	Pink	Bright Orange	
Simvastatin	5mg	0.26	27	23				Green	Orange	Pink	Bright Orange	
(generic)	10mg	0.51	30	27	28	0.51		Green	Orange	Pink	Bright Orange	
	20mg	0.63	35	32	35		0.63	Green	Orange	Pink	Bright Orange	
	40mg	0.63	40	37	39			0.63	Orange	Pink	Bright Orange	
	80mg	0.63	46	42	46			Green	0.63	Pink	Bright Orange	
Fluvastatin	20mg	0.85	19	21				Green	Orange	Pink	Bright Orange	
(generic)	40mg	1.19	29	27		1.19		Green	Orange	Pink	Bright Orange	
	XL 80mg	1.44	36	33			1.44	Green	Orange	Pink	Bright Orange	
Atorvastatin	10mg	0.42	40	37	37	0.42	0.42	0.42	Orange	Pink	Bright Orange	
	20mg	0.52	45	43	43			Green	0.52	Pink	Bright Orange	
	40mg	0.56	51	49	48			Green	Orange	0.56	Bright Orange	
	80mg	0.56	58	55	51			Green	Orange	Pink	0.56	Bright Orange
Rosuvastatin	5mg	1.29	42	38				1.29	Orange	Pink	Bright Orange	
	10mg	1.36	52	43	46			Green	1.36	Pink	Bright Orange	
	20mg	1.70	55	48	52			Green	Orange	1.70	Bright Orange	
	40mg	1.99	63	53	55			Green	Orange	Pink	1.99	Bright Orange

\* Average % reduction: Use to estimate initial statin dose. Actual response varies by patient and subgroup (age and gender).

Cost based on Ontario ODB pricing—updated November 2010. For cost to patient, add 10% plus prescribing fee.

**Select Statin based on efficacy, safety, evidence and cost.**

Revised November 2010

### EVIDENCE

### COST

HPS/ASCOT/CARDS

REVERSAL

PROVE-IT/TNT/IDEAL/AtoZ/SPARCL

ASTEROID

The 2009 CCS/Canadian guidelines for the diagnosis and treatment of dyslipidemia and prevention of cardiovascular disease in the adult (Can J Cardiol Vol 25 No 10 October 2009) recommends targeting LDL reduction to ≥ 50% when treating any level of cardiovascular risk with pharmacotherapy. Initiation thresholds vary depending on level of risk and presence of risk modifiers.

