

# Supporting documentation for the manual calculation of the Dutch Lipid Clinic Network Score (DLCNS)

## 95<sup>th</sup> percentiles for LDL-cholesterol levels (mmol/L) by sex and age\*

	Age	95 <sup>th</sup> percentile LDL-cholesterol
<b>Males</b>	<18	>3.5
	20-24	4.00
	25-29	4.90
	30-34	5.30
	35-39	5.10
	40-44	5.10
	45-49	4.80
	50-54	5.30
	55-59	4.90
	60-64	4.90
	65-69	4.90
	70-74	3.70
	<b>Females</b>	<18
20-24		4.00
25-29		3.90
30-34		4.20
35-39		4.20
40-44		4.00
45-49		4.80
50-54		4.90
55-59		5.00
60-64		4.90
65-69		4.90
70-74		5.70

\*Risk Factor Prevalence Survey Perth, 1999

## LDL-cholesterol adjustment

To calculate the DLCN score the **untreated\*** LDL-cholesterol concentration is required.

\*prior to being treated with cholesterol-lowering medication

If this is unknown, then it can be calculated from the **medicated** concentration using the adjustment factor to the right.

**To calculate the untreated LDL-cholesterol concentration adjusting for cholesterol medication.**

**Untreated LDL-cholesterol =  
medicated concentration x  
cholesterol adjustment  
factor for medication/dose**

### Example:

A patient's LDL-cholesterol is 3.6mmol/L on **Atorvastatin 80mg**

Untreated LDL-cholesterol  
= **3.6 x 2.150538**  
= **7.7mmol/L**

Therefore the patient would have a LDL-cholesterol of 7.7mmol/L if they were not on medication.

	LDL-cholesterol adjustment factor
Atorvastatin 10mg	1.618123
Atorvastatin 20mg	1.763668
Atorvastatin 40mg	1.937984
Atorvastatin 80mg	2.150538
Rosuvastatin 5mg	1.709402
Rosuvastatin 10mg	1.872659
Rosuvastatin 20mg	2.070393
Rosuvastatin 40mg	2.314815
Rosuvastatin 80mg	2.624672
Simvastatin 10mg	1.37741
Simvastatin 20mg	1.492537
Simvastatin 40mg	1.636661
Simvastatin 80mg	1.818182
Ezetimibe 10mg	1.236094
Ezetimibe/simvastatin 10mg/10mg	1.855288
Ezetimibe/simvastatin 10mg/20mg	2.008032
Ezetimibe/simvastatin 10mg/40mg	2.252252
Ezetimibe/simvastatin 10mg/80mg	2.463054
Ezetimibe/atorvastatin 10mg/10mg	2
Ezetimibe/atorvastatin 10mg/20mg	2.173913
Ezetimibe/atorvastatin 10mg/40mg	2.173913
Ezetimibe/atorvastatin 10mg/80mg	2.5
Ezetimibe/rosuvastatin 10mg/10mg	2.48139
Ezetimibe/rosuvastatin 10mg/20mg	2.739726
Ezetimibe/rosuvastatin 10mg/40mg	3.333333
Pravastatin 10mg	1.251564
Pravastatin 20mg	1.322751
Pravastatin 40mg	1.422475
Other	1.43