

**ESM Table 3.** Matsuda Insulin Sensitivity Index (ISI) and Disposition Index across the fasting (FPG) and 2-hour plasma glucose (2hPG) categories by statin treatment at baseline (N=8,749)

Matsuda ISI							
	No statin		Statin		% difference	<i>p</i>	<i>p</i> *
	N	Mean ± SE	N	Mean± SE			
<b>FPG category (mmol/l)</b>							
<5.00	356	11.9 ± 0.3	75	9.0 ± 0.6	-24.3	<0.001***	0.001***
5.00-5.49	1738	9.1 ± 0.1	471	7.2 ± 0.2	-21.3	<0.001***	<0.001***
5.50-5.99	2583	6.9 ± 0.1	841	5.7 ± 0.1	-18.4	<0.001***	<0.001***
6.00-6.49	1434	5.6 ± 0.1	539	4.6 ± 0.1	-18.3	<0.001***	<0.001***
6.50-6.99	458	4.4 ± 0.1	202	3.8 ± 0.2	-12.8	0.001***	0.003***
<b>2hPG category (mmol/l)</b>							
<5.00	1914	9.5 ± 0.1	427	7.6 ± 0.2	-19.5	<0.001***	<0.001***
5.00-5.99	1792	7.8 ± 0.1	528	6.5 ± 0.1	-16.6	<0.001***	<0.001***
6.00-6.99	1308	6.4 ± 0.1	470	5.3 ± 0.1	-18.1	<0.001***	<0.001***
7.00-7.99	760	5.3 ± 0.1	310	4.5 ± 0.1	-15.9	<0.001***	<0.001***
8.00-8.99	417	4.7 ± 0.2	174	4.1 ± 0.2	-12.7	0.124	0.239
9.0--9.99	223	4.1 ± 0.2	115	3.4 ± 0.2	-15.6	0.032	0.006
10.00-10.99	142	4.2 ± 0.2	91	3.9 ± 0.3	-6.4	0.493	0.058
11.00-11.09	13	4.5 ± 0.7	13	4.0 ± 0.6	-12.5	0.634	0.680
<b>Disposition Index</b>							
	No statin		Statin		% difference	<i>p</i>	<i>p</i> *
	N	Mean± SE	N	Mean± SE			
<b>FPG category (mmol/l)</b>							
<5.00	356	261.6 ± 5.5	75	230.2 ± 9.3	-12.0	0.004	0.023
5.00-5.49	1738	202.1 ± 1.7	471	196.8 ± 3.3	-2.6	0.081	0.567
5.50-5.99	2583	163.8 ± 1.2	841	158.0 ± 1.9	-3.5	0.015	0.912
6.00-6.49	1434	127.3 ± 1.2	539	122.1 ± 2.1	-4.1	0.007	0.266
6.50-6.99	458	95.5 ± 1.5	202	96.5 ± 2.4	1.0	0.894	0.566
<b>2hPG category (mmol/l)</b>							
<5.00	1914	216.0 ± 1.9	427	210.0 ± 3.7	-2.8	0.213	0.652
5.00-5.99	1792	176.1 ± 1.4	528	171.7 ± 2.5	-2.5	0.123	0.353
6.00-6.99	1308	147.0 ± 1.3	470	147.4 ± 2.3	0.3	0.963	0.717
7.00-7.99	760	123.8 ± 1.5	310	124.1 ± 2.5	0.3	0.805	0.817
8.00-8.99	417	107.6 ± 1.9	174	113.7 ± 3.2	5.7	0.107	0.093
9.0--9.99	223	94.2 ± 2.1	115	95.2 ± 3.2	1.0	0.991	0.929
10.00-10.99	142	82.6 ± 2.4	91	92.7 ± 3.5	11.1	0.024	0.060
11.00-11.09	13	82.7 ± 8.0	13	75.6 ± 6.2	-8.6	0.492	0.165

Values are unadjusted mean +/- SEM; t-test for statin vs. no statin groups. Linear regression, *p*, unadjusted, *p*\*, adjusted for age, BMI, waist, physical activity, smoking, alcohol intake, and family history of diabetes. \*\*\*, Significant *p*-values < 0.004.