



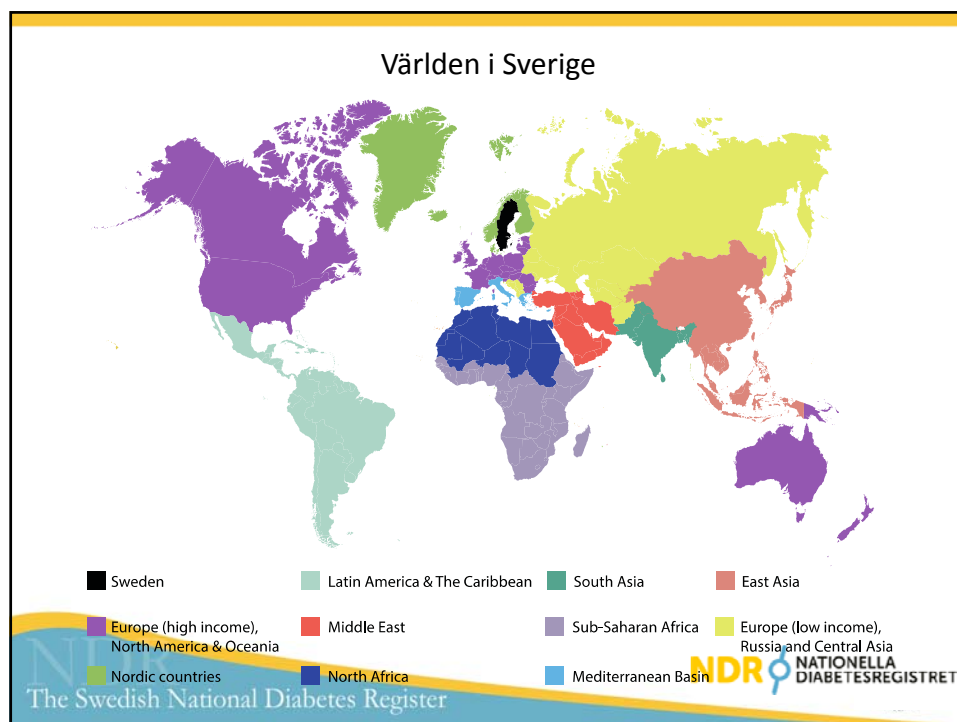
Jämlikhet

Table 1. Percentages of Respondents with Below-Average Income Who Encountered Barriers to Care.^a

Measure	Australia	Canada	France	Germany	Netherlands	New Zealand	Norway	Sweden	Switzerland	United Kingdom	Non-U.S. Countries	United States	P Value (United States vs. non-U.S. countries)
Had medical problem but did not visit doctor because of cost in the past year	14	7	11	11	16	23	7	5	11	1	11	39	<0.01
Did not get recommended test, treatment, or follow-up because of cost in the past year	10	14	10	12	11	9	9	7	9	1	9	31	<0.01
Did not fill prescription or skipped doses because of cost in the past year	14	8	11	8	20	18	7	4	11	4	11	30	<0.01
Last time needed medical attention had to wait ≥6 days for an appointment	11	28	11	24	12	6	16	24	4	3	14	21	<0.05
If sought after-hours care, found it somewhat or very difficult to get care in the evenings, on weekends, or on holidays	58	67	64	44	53	64	48	67	56	40	56	70	<0.01
If went to emergency department, waited ≥2 hours in emergency department	28	48	34	20	22	15	33	37	20	24	28	36	<0.05
Rated doctor fair or poor	5	12	9	11	5	8	14	17	3	11	10	15	<0.01
Rated quality of care fair or poor	12	17	12	19	16	10	21	11	6	5	13	27	<0.01

^a Data on waits for medical appointments and ratings of quality of care are from the 2011 Commonwealth Fund general-population survey; data on all other measures are from the 2013 Commonwealth Fund general-population survey.





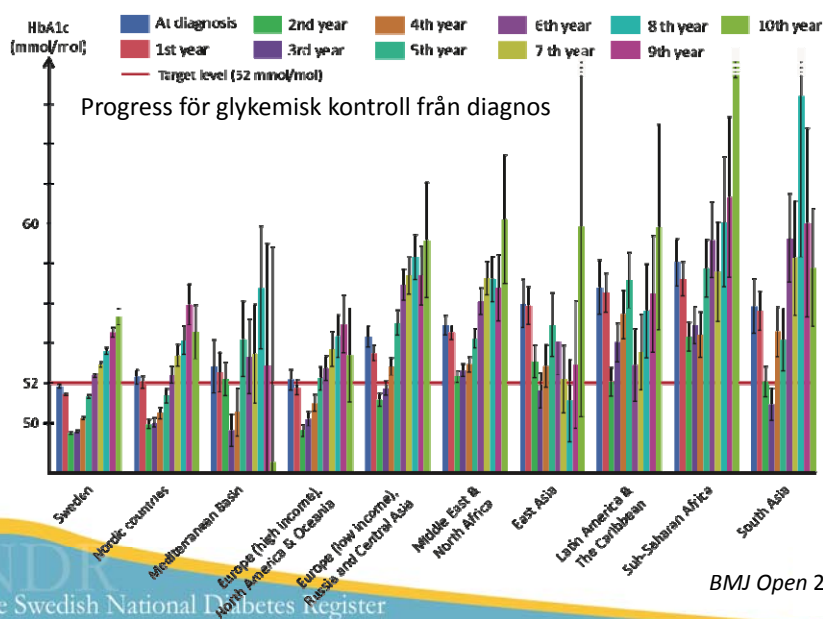
Etnicitet och glykemisk kontroll

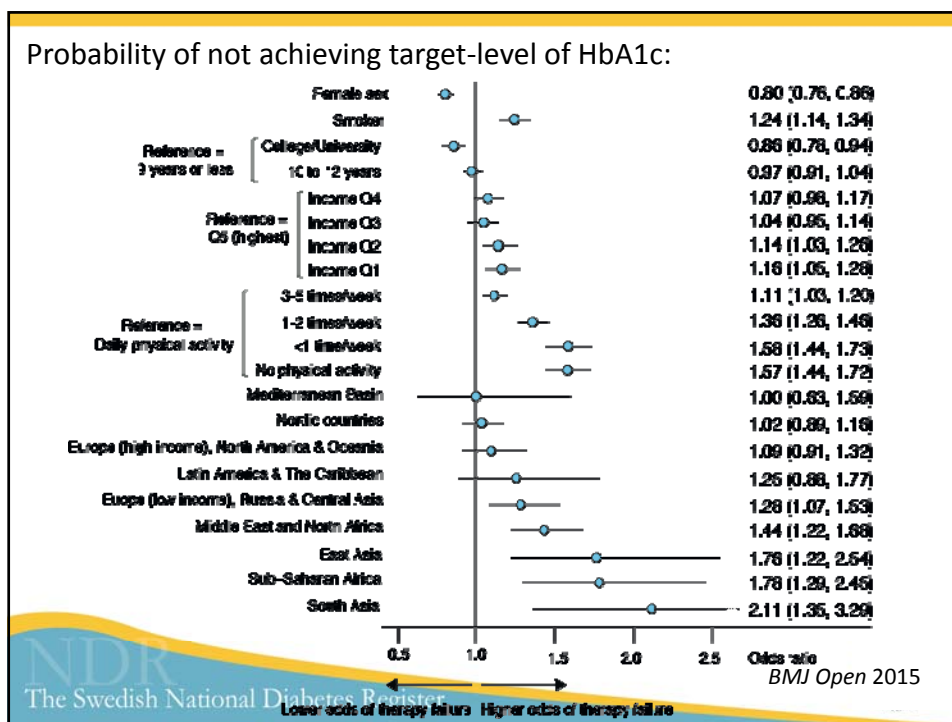


Nydebuterade med typ 2 diabetes

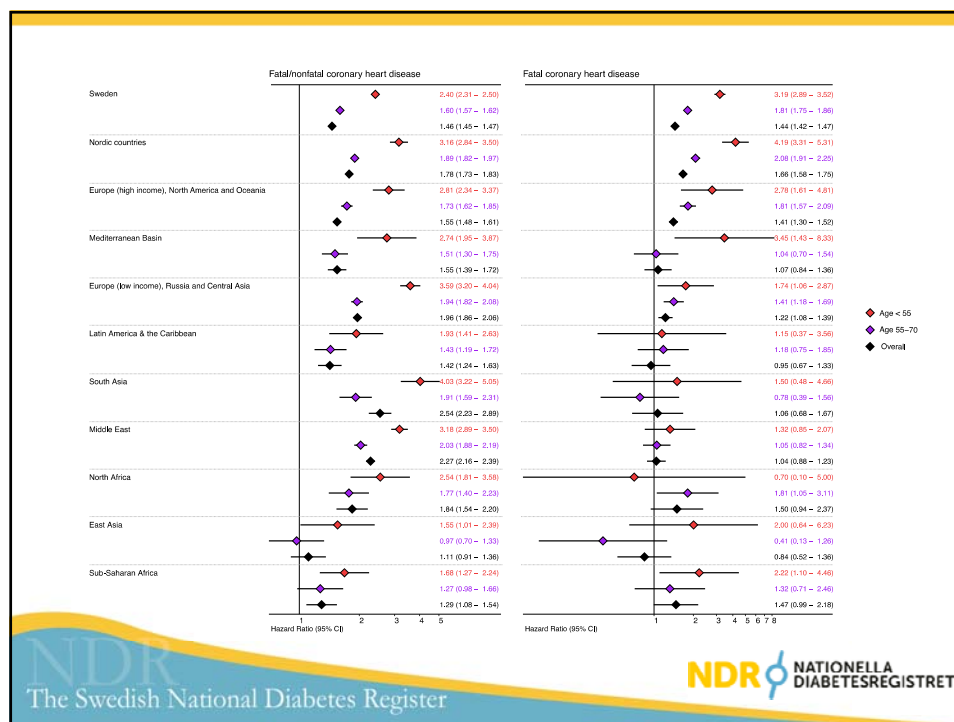
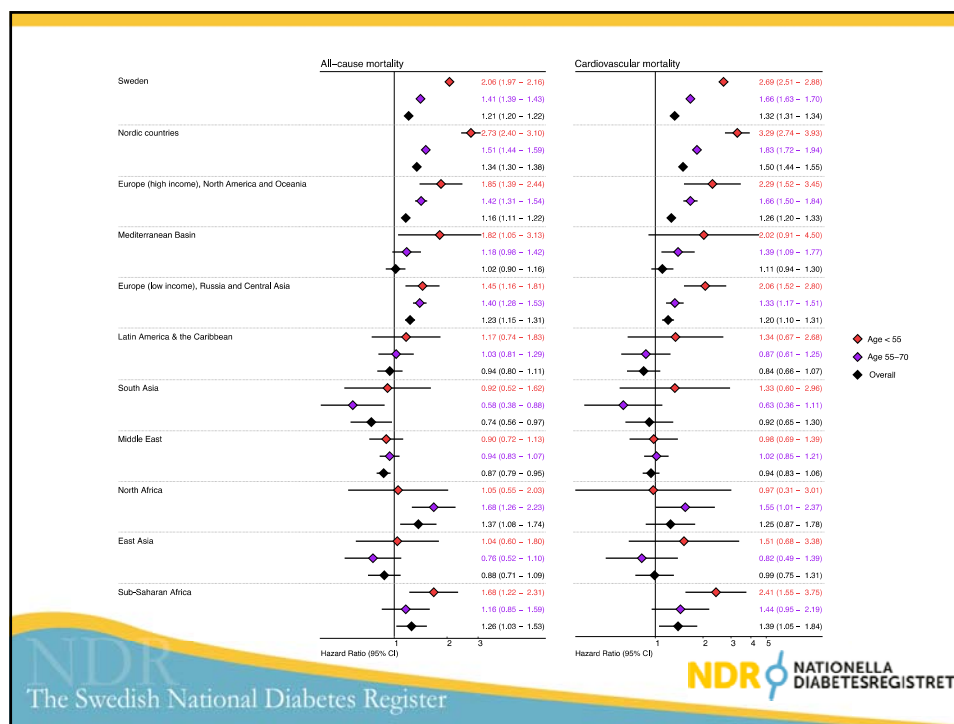
	All	Sweden	Nordic countries	Europe (high income), North America and	Europe (low income), Russia and Central Asia	Middle East and North Africa	Sub-Saharan Africa	South Asia	East Asia	Latin America and Caribbean
<i>n</i>	131935	109058	6760	3306	3870	5031	1127	610	82	860
Age (years)	62.8	63.7	63.8	64.4	57.6	52.3	47.3	46.0	50.0	54.5
Annual visits	1.73	1.67	1.80	1.96	2.05	2.30	2.22	2.32	1.99	2.50
BMI (kg/m ²)	30.4	30.3	31.2	30.5	31.3	30.9	28.8	28.6	27.3	31.4
HbA1c (mmol/mol)	52.2	51.9	52.3	52.2	54.3	54.9	58.0	55.8	55.9	56.7
% Smoker	15	14	20	17	23	22	13	13	15	18
% Income Q5	20	22	15	14	11	10	15	17	14	18
% University/college	17	16	12	24	15	25	22	29	24	25
% Albuminuria	14	14	14	14	13	14	14	12	13	16

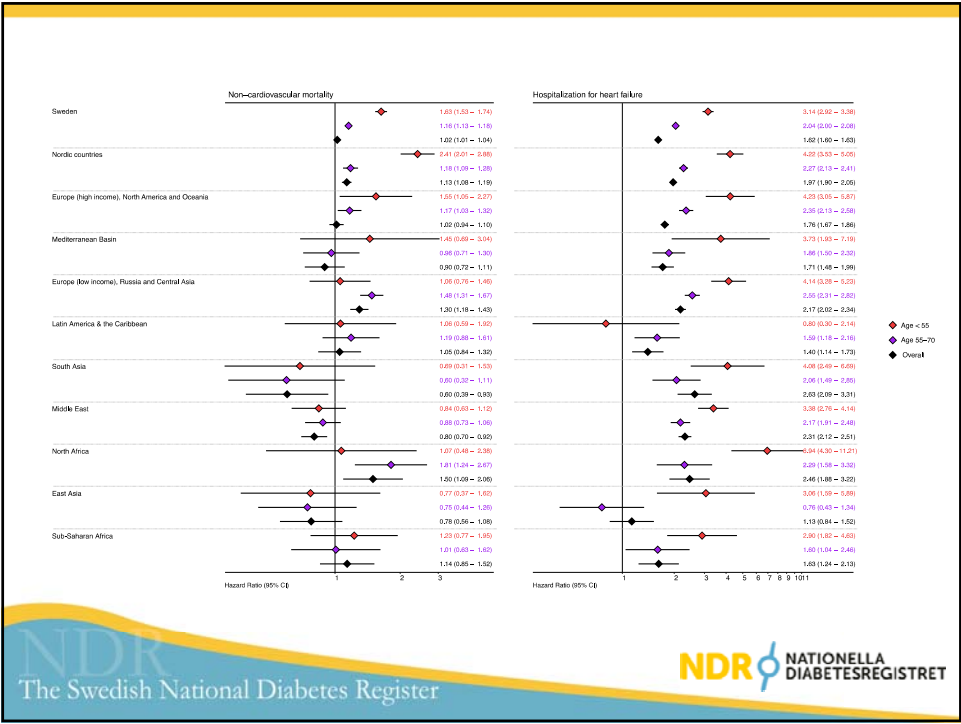
130,000 personer med nyligen (inom 1 år) diagnostiserad typ 2 diabetes





mortalitet?





Mortalitet		Hazard ratio		p
Marital status	Single	Reference		
	Divorced	1.04 (0.99, 1.09)		0.08
	Married	0.70 (0.67, 0.73)		<0.001
	Widowed	1.08 (1.02, 1.16)		0.02
Income quintile	Quintile 5	Reference		
	Quintile 1	2.12 (2.01, 2.24)		<0.001
	Quintile 2	2.13 (2.03, 2.25)		<0.001
	Quintile 3	1.67 (1.59, 1.76)		<0.001
	Quintile 4	1.17 (1.10, 1.23)		<0.001
Education	9 years or less	Reference		
	10 to 12 years	0.88 (0.85, 0.91)		<0.001
	College/University	0.81 (0.77, 0.85)		<0.001
Immigrant status	Sweden	Reference		
	High-income Europe	0.90 (0.82, 0.98)		0.02
	Low-income Europe	0.70 (0.63, 0.78)		<0.001
	Non-Western	0.50 (0.45, 0.55)		<0.001
	Nordic countries	1.06 (1.00, 1.12)		0.07

Gäller det för typ 1 diabetes också?

NDR
The Swedish National Diabetes Register

NDR NATIONELLA
DIABETESREGISTRET

Betydelsen av socioekonomisk status för personer med typ 1 diabetes. En studie på 24,947 individer.

Table 1—Characteristics of the cohort at baseline, according to marital status and immigrant status

	Marital status				Immigrant status	
	Single	Divorced	Married/ cohabiting	Widowed	Swedish native	Immigrant
Individuals, n	13,560	2,266	8,800	294	23,382	1,565
Males	7,863 (58.0)	1,058 (46.7)	4,411 (50.1)	71 (24.1)	12,659 (54.1)	756 (48.3)
Age (years)	32.07 (10.87)	49.00 (10.58)	46.81 (12.11)	64.05 (11.22)	39.22 (13.93)	38.81 (12.74)
Onset age (years)	14.36 (7.41)	16.82 (7.93)	16.98 (7.82)	17.17 (7.58)	15.29 (7.67)	19.30 (7.42)

n = 24,947 patients

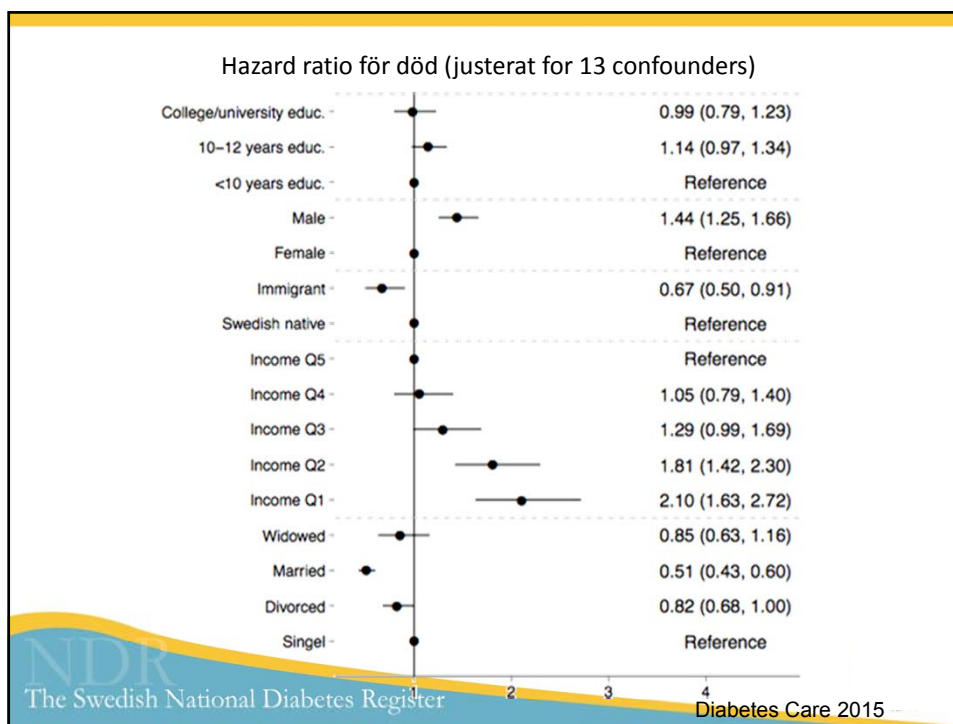
Mean (SD) age 39.1 (13.9)

Mean follow-up 6.0 (1.0) years

Death and fatal/nonfatal CVD occurred in 926 and 1378 individuals.

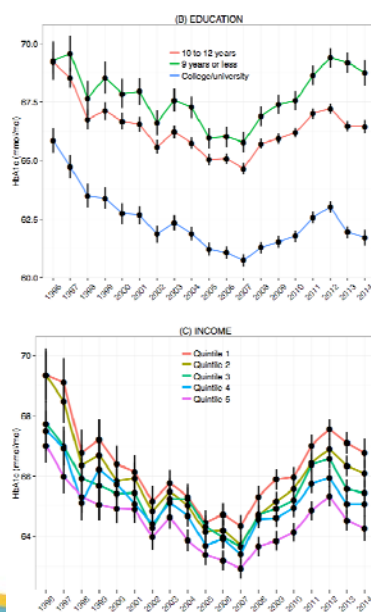
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*men det har blivit bättre på senare tid...
eller?*

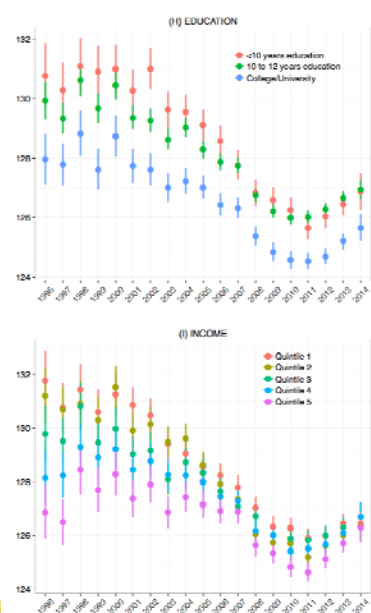
HbA1c



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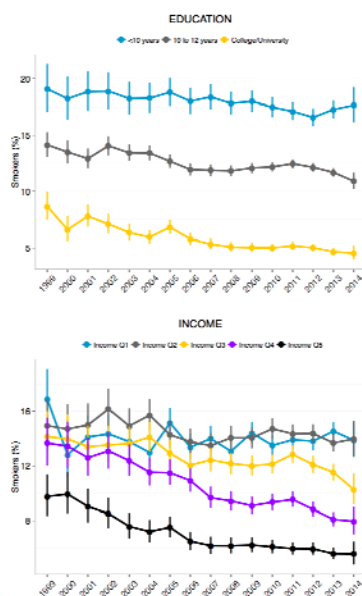
Blodtryck



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Rökning



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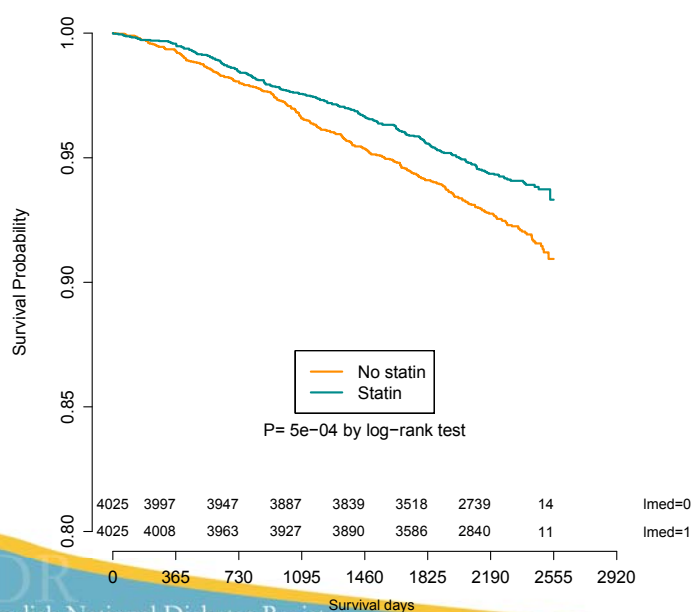
*Statiner som primärprevention
för personer med typ 1 diabetes*

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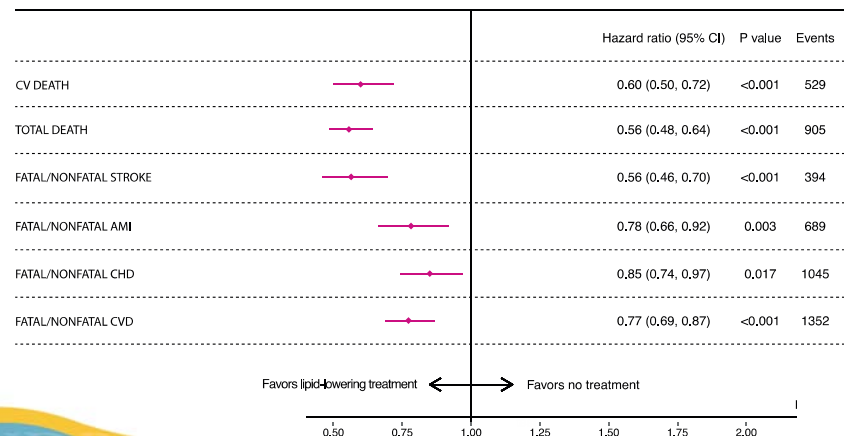
Table 1. Baseline Data From The Overall And One To One Matched Cohort

	OVERALL COHORT			Crude standardized difference, % ^b	Adjusted standardized difference, % ^c
	Control	Statin	P value ^a		
n	18843	5387			
PATIENT CHARACTERISTICS					
Male sex, n, %	9984 (53.0)	3051 (56.6)	<0.001	1,83	0,02
Age, years	36.3 (12.7)	50.4 (11.7)	<0.001	19,61	0,67
Diabetes duration, years	21.0 (13.2)	34.0 (12.8)	<0.001	16,01	0,65
Age at diagnosis, years	15.3 (7.6)	16.5 (7.9)	<0.001	3,83	0,55
Smoker, %	2275 (12.1)	689 (12.8)	0.164	0,36	0,19
BMI (kg/m2)	25.3 (4.3)	26.8 (4.5)	<0.001	9,6	0,95
Weight (kg)	76.1 (14.9)	79.6 (15.9)	<0.001	4,01	0,37
Height (m)	173.4 (9.6)	172.2 (9.6)	<0.001	1,62	0,54
Waist (cm)	87.9 (12.5)	94.6 (13.0)	<0.001	9,96	0,81
BIOMARKERS					
HbA1c (mmol/mol)	63.7 (14.9)	65.7 (13.6)	<0.001	1,99	0,26
eGFR (mL/min)	96.5 (26.5)	79.9 (27.3)	<0.001	14,89	0,52
systolic BP (mmHg)	124.5 (14.7)	134.8 (16.7)	<0.001	8,86	0,32
Diastolic BP (mmHg)	73.1(8.9)	74.3 (9.7)	<0.001	1,74	0,34
Triglycerides (mmol/L)	1.07 (0.80)	1.34 (1.08)	<0.001	6,1	0,89
HDL (mmol/L)	1.62 (0.49)	1.65 (0.52)	0.001	1,35	0,46
Total cholesterol (mmol/L)	4.70 (0.91)	4.89 (1.03)	<0.001	3,79	3,96
LDL cholesterol (mmol/L)	2.60 (0.77)	2.66 (0.89)	<0.001	1,79	4,63
PHYSICAL ACTIVITY					
Never physical activity, %	5081 (27.0)	1441 (26.7)	0.767	0,11	0,09

1-to-1 matched cohort – perfect balance for >30 covariates

Stratification on propensity score in overall cohort

Overall cohort



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summan av statinerna

Cochrane rapport

Total (95% CI)	11892	11913	*	100.0 %	0.75 [0.70, 0.81]
Total events: 1103 (Statin Therapy Group), 1455 (Usual Care or Placebo)					
Total (95% CI)	24217	23832	*	100.0 %	0.73 [0.67, 0.80]
Total events: 820 (Statin Therapy Group), 1114 (Usual Care or Placebo)					
Heterogeneity: Chi ² = 14.48, df = 13 (P = 0.34); I ² = 10%					
Total (95% CI)	23019	23075	*	100.0 %	0.82 [0.70, 0.96]
Total events: 251 (Statin Therapy Group), 306 (Usual Care or Placebo)					
WOSCOPS	220/3302	302/3293	■	51.8 %	0.73 [0.61, 0.86]
Total (95% CI)	20668	20309	*	100.0 %	0.67 [0.59, 0.76]
Total events: 395 (Statin Therapy Group), 583 (Usual Care or Placebo)					

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NDR = på individnivå

Verktyg för att identifiera personer
som behöver uppmärksammas

Individualisera och skräddarsy
omhändertagande.

Opinion

VIEWPOINT The Role of Physicians
in the Era of Predictive Analytics

T Allan D. Sniderman, MD

Every day, more information becomes available about factors that affect the risk of a clinical event. Based on the conventional risk factors, participants were first classified into 3 levels of cardiovascular risk: