

Translation Service







Combining the art and science of risk to protect societies

Sustainability at the heart of SCOR's "Raison d'être"

Protecting societies from extreme events

by helping economic agents to mitigate and adapt to the effects of climate change

Supporting people's health and well-being

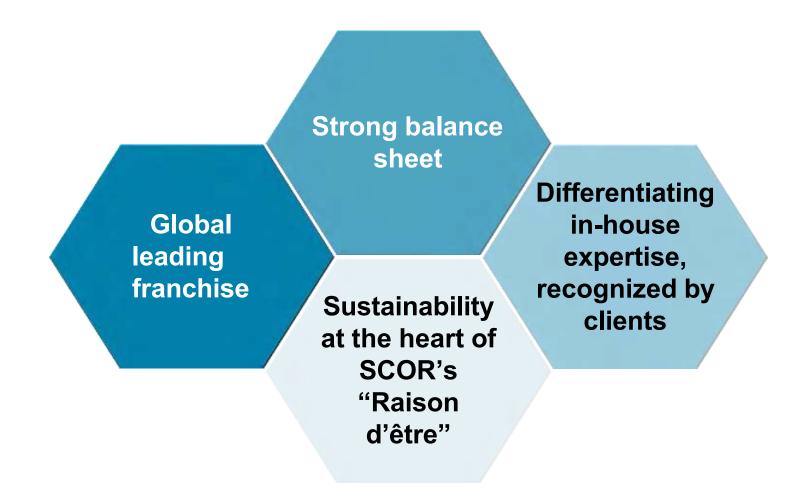
by developing accessible prevention and protection solutions

Nurturing clients

through a culture of trust and integrity



Four major competitive advantages to thrive

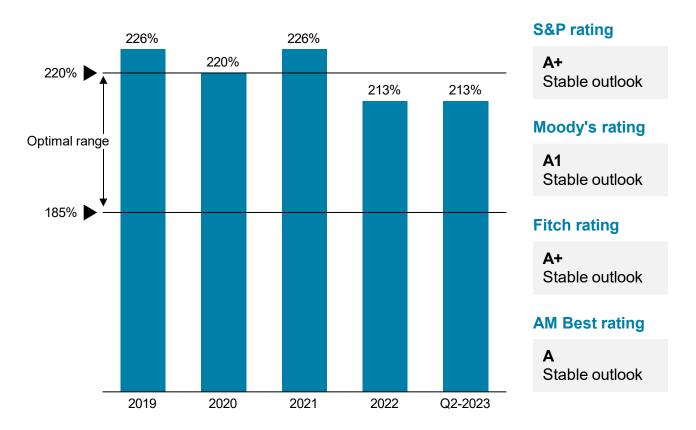




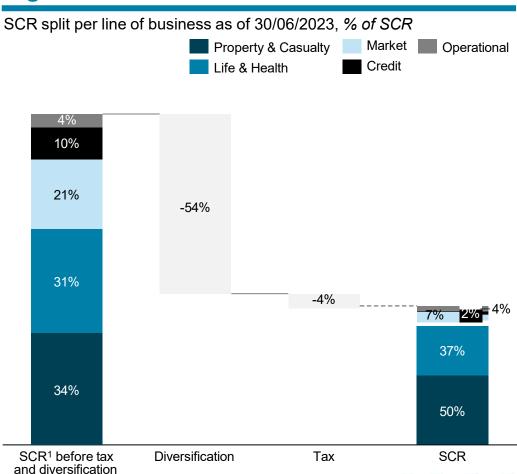
Strong balance sheet with a AA level of capital

Solvency ratio in optimal range

SII ratio, end of period 2019 to Q2-2023, %



High diversification

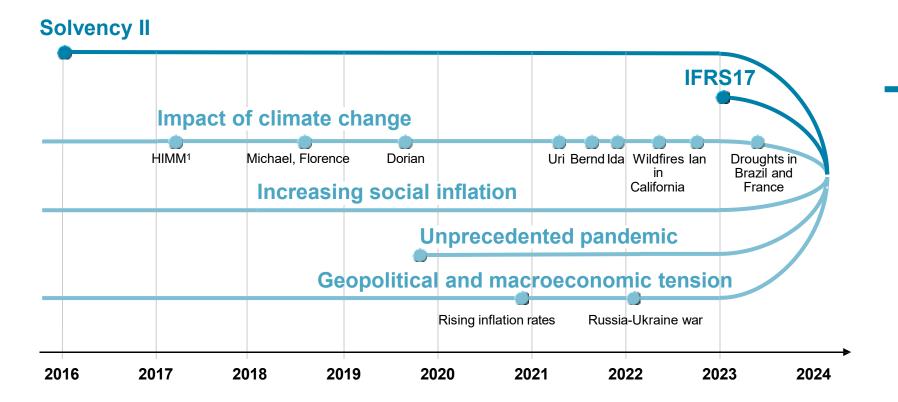


^{1.} Solvency capital requirement

Fundamental changes and uncertainty fuel Reinsurance demand

Regulatory and accounting changes

External events



New opportunities: Forward 2026

Recognized diversification benefits under Solvency II and Economic Value with IFRS 17

Favorable market conditions with growing demand for both L&H and P&C reinsurance, as well as increasing reinvestment rates



Further deploy digital services to differentiate offering

10+ proprietary digital services covering the entire value chain

Differentiated offering: services codeveloped with clients and creating shared-value

Supporting business generation: more than half of Protection GWP comes from clients we partner with to develop new services



Selected examples



Velogica Automated policy issuance process

- Approx. 90% of underwriting evaluations within 1 minute
- Deployed in the US, Europe and Asia

Claims management

Volcims Digital portal automating the claims assessment process

- 50% reduction in processing time
- Deployed in France, Australia and New Zealand

Data analytics

IDASP Digital platform:

- Providing clients with distinctive experience analyses and benchmarking tools
- Leveraging AI to enhance SCOR's predictive models



SCOR Sweden Re Service & Toolkit

Medical Underwriting

We do everything from second opinion to full medical underwriting

- All products
- Medical Manuals & Tools





Exigo







Market Analysis / Data Insights

Building and sharing market knowledge to the benefit of our clients

- Benchmark survey
- Solvency II QRT Overview
- Global Consumer Study
- Underwriting guidelines advising
- Data analyses & Data pooling



Product Development

Developing new as well as improve existing products

- Tariffs
- Terms and conditions wording
- Underwriting guidelines
- Medical UW guidance





SCOR Sweden Re Service & Toolkit

Actuarial Support

Sharing the workload to save our clients time and resources

- Actuarial analyses
 - · Standardized and recurring
 - Ad hoc
- Reinsurance administration
- Pricing
- Reserving
- R-programming courses



Risk Transfer, Solvency & Balance Sheet Improvement

Bespoke financial solutions, in addition to traditional reinsurance protection

- Traditional reinsurance
- Loss portfolio transfer
- Mass Lapse cover
- Value-in-Force financing
- Outsourcing- & run off solutions



Education / Inspiration

We regularly share with our clients the knowledge of our multidisciplinary expert teams

- Medical Seminars
- Conference
- Workshops
- Trainings
- SCOR Campus
- Medical reports and research













Q Sōk...

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www.lakareforframtiden.se

Kost & Hälsa Hem Nyheter Aktiviteter Stöd oss Om oss

Kontakt

Mer



Prenumerera på vårt nyhetsbrev







Ta makten över din hälsa

Tad händer i kroppen när du övergår från blandkost till att äta hela vegetabilier?

Hjärt-kärlsjukdom, åderförkalkning, diabetes typ 2 och högt blodtryck är folksjukdomar som är möjliga att bromsa och till och med vända förloppet på med en långtgående koständring.

Kostens kraft är en ambitiös och pedagogisk genomgång av etablerad forskning och nya rön. Men den berör också på ett personligt plan genom intervjuer och berättelser av månniskor som ätit sig friska. Kostens kraft inspirerar även till nya matvanor med goda, spännande och lättlagade gröna recept och härliga bilder.

"David Stenholtz belyser med genuint intresse och gedigen kunskap hur du kan förbättra din hälsa genom ett sundare motval. Kosten som gagnar den individuella hälsan är oftast också fördelaktig ur ett planetärt perspektiv. Att matens sammansättning gör så stor skillnad behöver vi i sjukvården bli bättre på att föra fram."

Maria Wolodarski, MD, PhD, erdförande i Läkare för Miljön, ordförande i arbetsgruppen för klimat, hälsa och hållbar sjukvärd i Svenska Läkaresällskapet

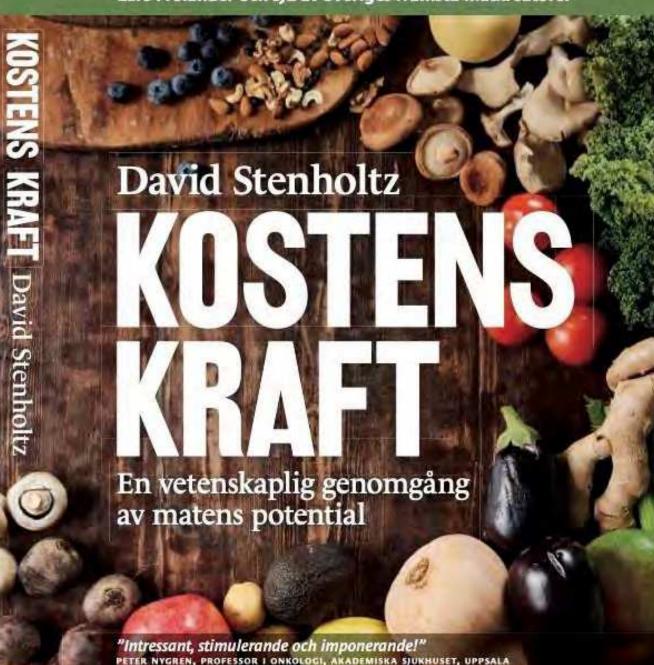
"Inspirerande, pedagogiskt och uppbackat av vetenskap om hur fiera folksjukdomar kan bromsas och till och med reverseras genom hälsosammare kost. Det här är populärvetenskap när den är som bäst."

Anna Ottosson, grundare av Foodpower, vice ordförande i Dietisternas riksförbund 2007-2018 och författare.

LAVA



Med inspirerande recept av Therése Lindgren, Lars Frölander och sju av Sveriges främsta matkreatörer



Experterna är överens

"Att äta mer från växtriket och mindre från djurriket"

BEGRÄNSA

ÖKA

Grönsaker Baljväxter

Frukt och bär

Fisk och skaldjur

Nötter och frön

Spannmålsprodukter av vitt/siktat mjöl

BYT UT

Smör, smörbaserade matfetter

Feta mejeriprodukter Spannmålsprodukter av fullkorn

> Vegetabiliska oljor, oljebaserade matfetter

Magra mejeriprodukter Charkprodukter Rött kött

Drycker och livsmedel med tillsatt socker

Salt Alkohol

Källa: Livsmedelsverket

Växtbaserade "mejeriprodukter"



Den grönare Matcirkeln

"För att vi ska kunna ställa om till ett mer hållbart sätt att leva är det bra att äta mer växtbaserat. Därför finns det numera växtbaserade alternativ i alla delar av Matcirkeln."

Maten har en stor potential att gynna hälsan



Visst borde vi informera om kostens betydelse för hälsa, men jag vet ju hur mycket mina patienter älskar "god mat".



Visst borde vi informera om motionens betydelse för hälsa, men jag vet ju hur mycket mina patienter älskar att sitta still.



Visst borde vi informera om rökningens betydelse för hälsa, men jag vet ju hur mycket mina patienter älskar att ta ett bloss.



HUR ÄTER VI I SVERIGE?

Känsliga tittare varnas!



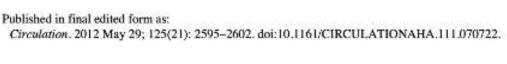
Development of a diet quality index assessing adherence to the Swedish nutrition recommendations and dietary guidelines in the Malmö Diet and Cancer cohort

Isabel Drake*+, Bo Gullberg, Ulrika Ericson, Emily Sonestedt, Jan Nilsson, Peter Wallström, Bo Hedblad and Elisabet Wirfält

Department of Clinical Sciences in Malmö, Lund University, Skåne University Hospital, Malmö, Sweden

Submitted 9 June 2010: Accepted 13 December 2010: First published online 7 February 2011

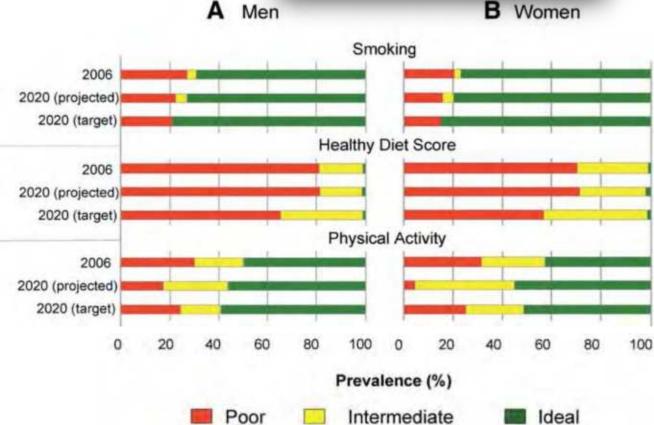




Cardiovascular Health Behavior and Health Factor Changes (1988 –2008) and Projections to 2020:

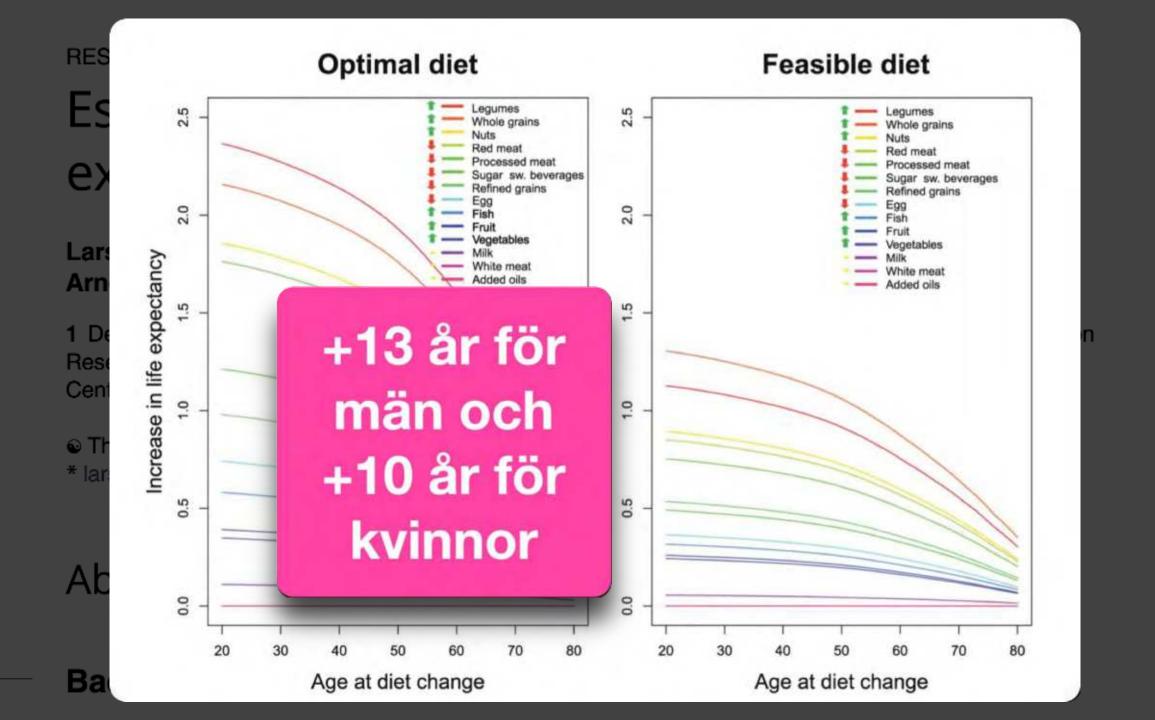
Results From the National Health and Nutrition Examination Surveys

Mark D. Huffman, MD, MPH, Simon Capewell, DSc, Hongyan Ning, MD, MS, Christina Shay, PhD, MA, Earl S. Ford, MD, MPH, and Donald M. Lloyd-Jones, MD, ScM Department of Preventive Medicine, Northwestern University Feinberg School of Medicine, Chicago, IL (M.D.H., H.N., C.M.S., D.M.L.-J.); Division of Public Health, University of Livery Liverpool, United Kingdom (S.C.); and Division of Adult and Community Health, National Community Disease Prevention and Health Promotion, Centers for Disease Control and Prevention, Atlanta, GA (E.S.F.).



ANIMALISKT VÄXTBASERAT DIET MILK **PROCESSAT**

Förlänga livet? Minska risk för att dö i förtid?



Food groups and risk of all-cause mortality: a systematic review and meta-analysis of prospective studies^{1,2}

Lukas Schwingshackl, ** Carolina Schwedhelm, ** Georg Hoffmann, ** Anna-Maria Lampousi, ** Sven Knüppel, ** Khalid Iqbal, ** Angela Bechthold, ** Sabrina Schlesinger, 6,7 and Heiner Boeing**

³German Institute Austria; ⁵German London, United I Dusseldorf, Germ

Metaanalys av 103 studier

ABSTRACT

Background: S

in preventing early death and disability worldwide.

Objective: The aim of this meta-analysis was to synthesize the knowledge about the relation between intake of 12 major food groups, including whole grains, refined grains, vegetables, fruits, nuts, legumes, eggs, dairy, fish, red meat, processed meat, and sugar-sweetened beverages, with risk of all-cause mortality.

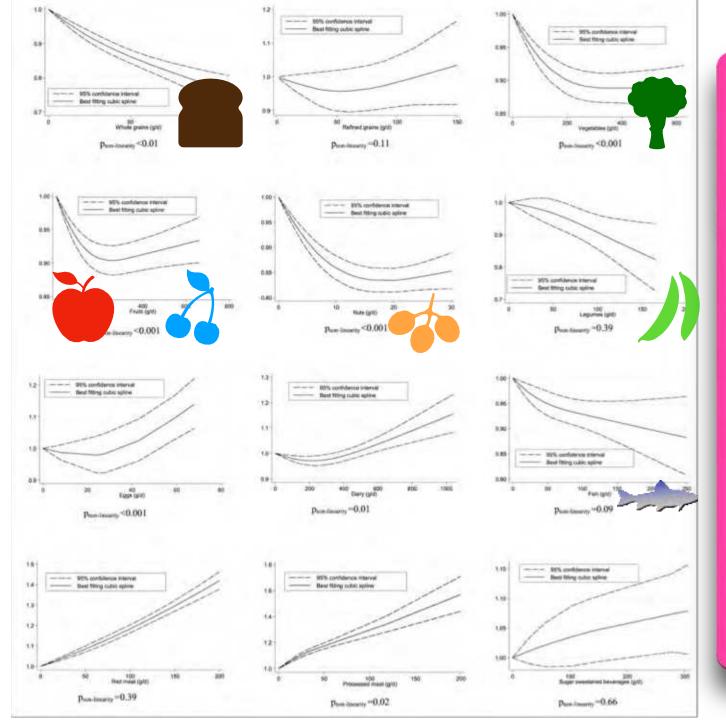
Design: We conducted a systematic search in PubMed, Embase, and Google Scholar for prospective studies investigating the association between these 12 food groups and risk of all-cause mortality. Summary RRs and 95% CIs were estimated with the use of a random effects model for high-intake compared with low-intake categories, as well as for linear and nonlinear relations. Moreover, the risk reduction potential of foods was calculated by multiplying the RR by optimal intake values (serving category with the strongest associ-

nces, University of Vienna, Vienna, Health, Imperial College London, nrich Heine University Düsseldorf,

). One-third of these fatalities disease (CVD), followed by

cancer at 15% (1). A high-quality diet comprising abundant amounts of whole grains, fruits, vegetables, nuts, and fish is one of the most important factors in preventing early death and disability worldwide (2).

During the past 50 y, lifestyle factors have been identified as modifiable factors associated with death. Thus, despite often unclear direct biological mechanisms due to the many potential underlying disease mechanisms, epidemiologic risk factors that can change the probability of death are important public health indicators. Studies that were able to translate risk reduction into measures of life expectancy calculated that populations with a low-risk profile (no smoking, physically active, healthy dietary pattern) differ in 10–15 y from those with a high-risk profile (3).

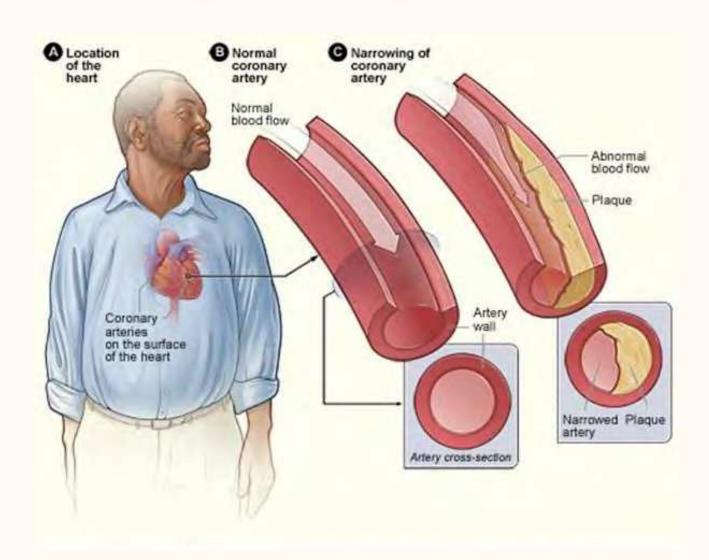


Optimalt intag av hälsosamma livsmedel: 56 procent minskad risk att dö i förtid.

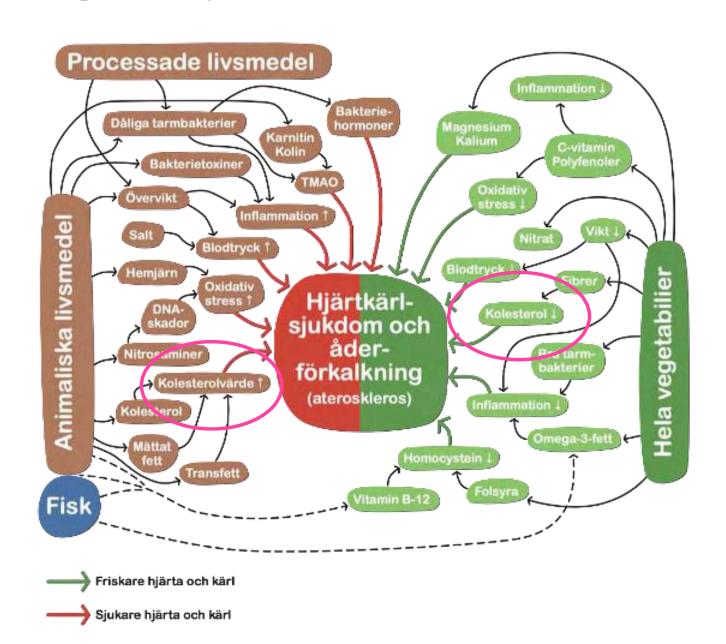
Suboptimalt intag av ohälsosamma livsmedel: *Dubblerad* risk att dö i förtid

Hjärt-kärlsjukdom

Hjärtkärlsjukdom



Verkningsmekanismer för hur olika livsmedel påverkar hjärta och kärl



Atherosclerotic Risk Factors

- Genetic (1/500)
- Degenerative
- 3. Inflammatory
- 4. Cigarette smoking
- 5. Systemic hypertension
- 6. Diabetes mellitus
- 7. Overweight
- 8. Inactivity
- 9. Stress
- 10.Cholesterol problem

Is this factor necessary to form plaques?

NO

YES

Figure 1. The atherosclerotic risk factors showing that the only factor required to cause atherosclerosis is cholesterol.



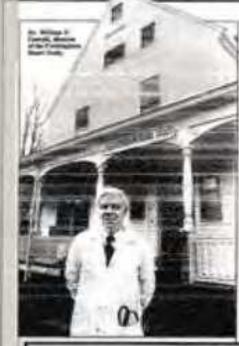
William C. Roberts – American Journal of Cardiology

Science Times

District Danie Daniel

Spread of Deserts Seen as a Catastrophe Underlying Famine

120011125



Heart Disease: Big Study Produces New Data

Good Leadership in Boston

"Under de 34 år som Framinghamstudien pågått har vi inte sett en enda person med ett kolesterolvärde under 150 (mg/dL =3,88 mmol/L) som utvecklat hjärtkärlsjukdom."

	Kolesterolvärde 80-tal	Kolesterolvärde idag		
Sverige	6	5		
Kina	3,28	4,6		

Comparative Study > Am J Cardiol. 1998 Nov 26;82(108):18T-21T. doi: 10.1016/s0002-9149(98)00718-8.

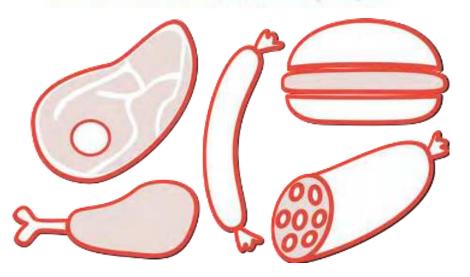
Diet, lifestyle, and the etiology of coronary artery disease: the Cornell China study

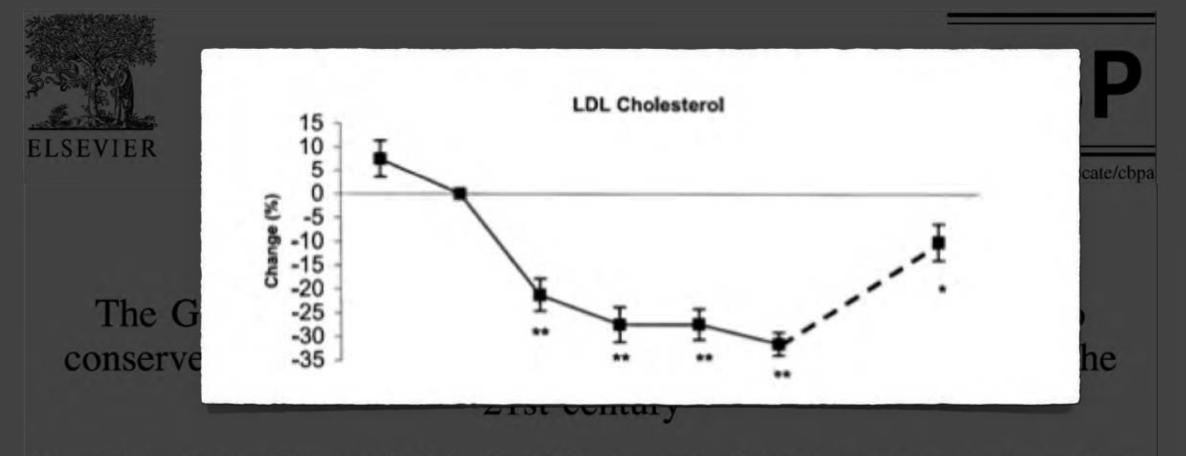


> Circulation, 2012 May 8;125(18):2212-21, doi: 10.1161/CIRCULATIONAHA.111.065904. Epub 2012 Apr 9.

Serum lipids and lipoproteins in Chinese men and women

Wenying Yang ¹, Jianzhong Xiao, Zhaojun Yang, Linong Ji, Weiping Jia, Jianping Weng, Juming Lu, Zhongyan Shan, Jie Liu, Haoming Tian, Qiuhe Ji, Dalong Zhu, Jiapu Ge, Lixiang Lin, Li Chen, Xiaohui Guo, Zhigang Zhao, Qiang Li, Zhiguang Zhou, Guangliang Shan, Jiang He; China National Diabetes and Metabolic Disorders Study Investigators





David J.A. Jenkins^{a,b,c,*}, Cyril W.C. Kendall^{a,c}, Augustine Marchie^{a,c}, Alexandra L. Jenkins^c, Philip W. Connelly^c, Peter J.H. Jones^d, Vladimir Vuksan^{a,c}

^aClinical Nutrition and Risk Factor Modification Center, St. Michael's Hospital, 61 Queen Street East, Toronto, Ont., Canada M5C 2T2

^bDepartment of Medicine, St. Michael's Hospital, Toronto, Ont., Canada ^cDepartment of Nutritional Sciences, Faculty of Medicine, University of Toronto, Toronto, Ont., Canada ^dSchool of Dietetics and Human Nutrition, McGill University, Montreal, Canada

Received 9 August 2002; received in revised form 26 November 2002; accepted 27 November 2002

Clinical Tribl > JAMA, 1987 Jun 19:257(23):3233-40.

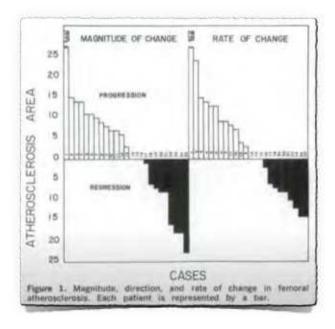
Beneficial effects of combined colestipol-niacin therapy on coronary atherosclerosis and coronary venous bypass grafts

D H Blankerhoor, S A Nicolin, R L. Johnson, M E Semeano, S P, Azen, L Contin Humphili PMID: 3295315

Erratum in

JAMA 1086 New Children Terre

Abstract



> Ann Intern Med. 1977 Feb;86(2):139-46. doi: 10.7326(0003-4819-86-2-139.

Regression and progression of early femoral atherosclerosis in treated hyperlipoproteinemic patients

R Barndt Jr, D H Blankenhorn, D W Crawlord, S H Brooks

PMID: 189658 DOI: 10.7326/0003-4819-86-2-139

Abstract

Femoral angiograms were done to evaluate change in early atherosclerosis in 12 patients with type IV hyperlipoproteinemia and 13 with type II hyperlipoproteinemia. The patients' average age was 48 years; only one had claudication. Elevated blood lipids and blood pressure were treated with drugs and diet. Repeat angiograms after an interval of 13 months showed regression of atherosclerosis in nine patients, no change in three, and progression in 13. Comparison of preangiogram levels with average levels between angiograms showed significant reduction in serum cholesterol, triglycende, and blood pressure in the group with lesion improvement but not in the group with lesion progression. Sporadic examples of human atherosclerosis regression are known, but most other studies in man indicate only atherosclerosis progression. Our different result appears due to our selection of patients and radiographic method. We have studied patients with earlier atherosclerosis than previous workers, using a radiographic procedure more sensitive to small changes in lesions.

	Intervention	Kontroll	
Progress	24 %	40 %	
Regress	29 %	0 %	

Regression of Coronary Atheromatosis in Rhesus Monkeys

By Mark L. Armstrong, M.D., Emory D. Warner, M.D., and William E. Connor, M.D.

ABSTRACT

Rhesus monkeys subjected to the atherogenic stimulus of a high-fat, high-cholesterol diet showed significant coronary atheromatosis at the end of 17 months. Smaller fibrotic lesions with scant stainable lipid were found in animals that were subsequently fed either of two cholesterol-free diets for 40 months. The average cross-sectional area of the lumen was more than 80% greater in regression animals than in monkeys with baseline atherosclerosis. The data support the hypothesis that uncomplicated coronary atheromas may regress in primates in appropriate dietary settings.

Comparative Study > J Intern Med. 1990 Jun; 227(6):381-90. doi:10.1111/j.1365-2796.1990.tb00176.x.

The effect of serum lipid regulation on the development of femoral atherosclerosis in hyperlipidaemia: a non-randomized controlled study

A G. Disson 7, G Rutin, U Frikson

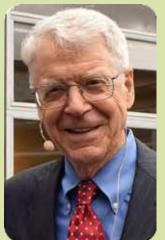
Affiliations + espand

PMID: 2351925 DOI: 10.1111/j.1365-2796.1990.ib00178.ii

Abstract

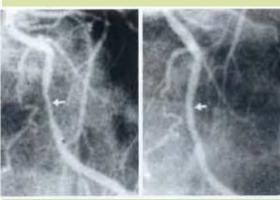
The development of femoral atheroma after 1 year of treatment with diet and nicotinic acid plus fenofibrate was studied in 45 asymptomatic, hypertipidaemic, middle-aged male subjects in a non-randomized controlled study. The median senum very low density (poprotein (VLDL) cholesterol concentration and the low idensity (poprotein (LDL) cholesterol concentration were lowered by 67% and 36%, respectively, in the treatment group. The median serum high density (poprotein (HDL) cholesterol concentration was increased by 23%. Femoral atheroma was estimated by overall atherosclerosis score (OAS). Changes in femoral atherosclerosis were estimated by intrapair comparison of angingrams. Progression was found in 24% and 40% in the treatment and control groups, respectively. Regression occurred in 29% and 6%, respectively. The DAS decrease correlated with reductions in VLDL cholesterol and systolic blood pressure.

Dr. Caldwell Esselstyn



Ej randomiserad studie Endast koständring





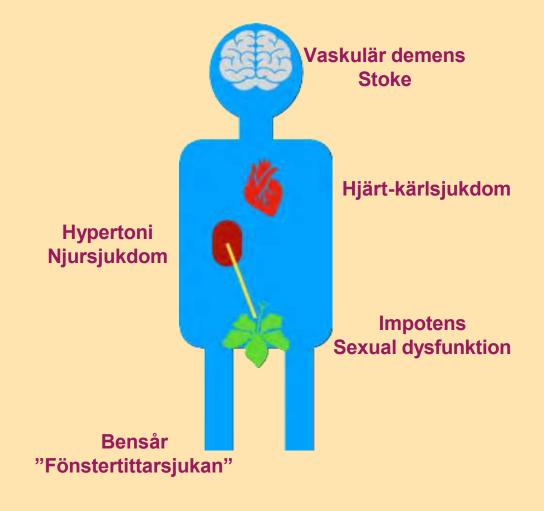
Dr. Dean Ornish



Randomiserad studie
30 min lågintensiv motion

Sexuell dysfunktion

ATEROSKLEROS – ÅDERFÖRKALKNING





JAMES CAMERON

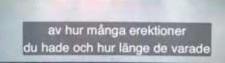
ARNOLD SCHWARZENEGGER JACKIE CHAN

> LEWIS HAMILTON NOVAK DJOKOVIC CHRIS PAUL

THE GAME
CHANGERS

GET TICKETS NOW







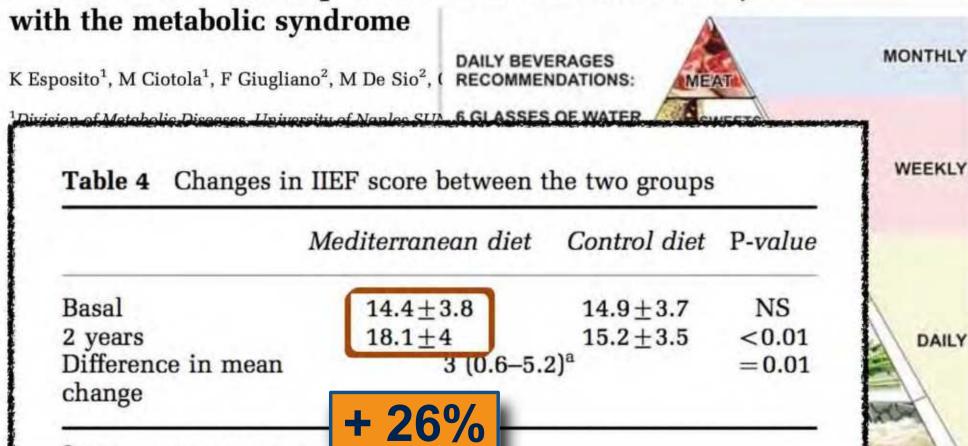
WEEKLY

DAILY

www.nature.com/ijir

ORIGINAL ARTICLE

Mediterranean diet improves erectile function in subjects



^a95% confidence intervals.

NS-Not Significant.



www.nature.com/ijir

ORIGINAL ARTICLE Mediterranean diet improves sexual function in women with the metabolic syndrome

K Esposito¹, M Ciotola¹, F Giugliano², B Schisano¹, R Autorino², S Iuliano¹, MT Vietri³, M Cioffi³,

M De

¹Divisi

Italy; ²

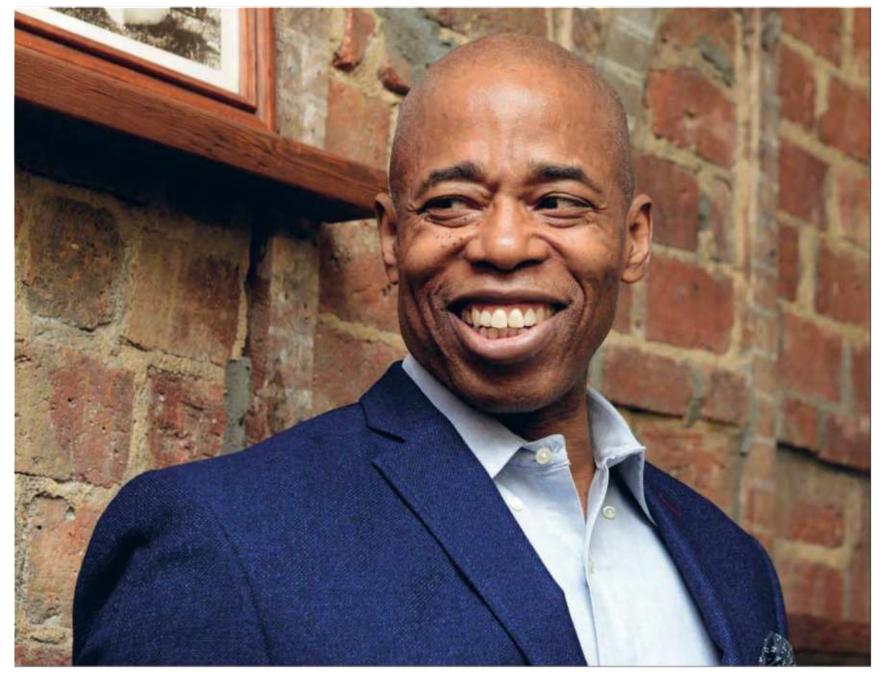
Naples

FSSI: +33% i MED-gruppen Ingen förbättring i kontrollgruppen

SUN, Naples, v, University of

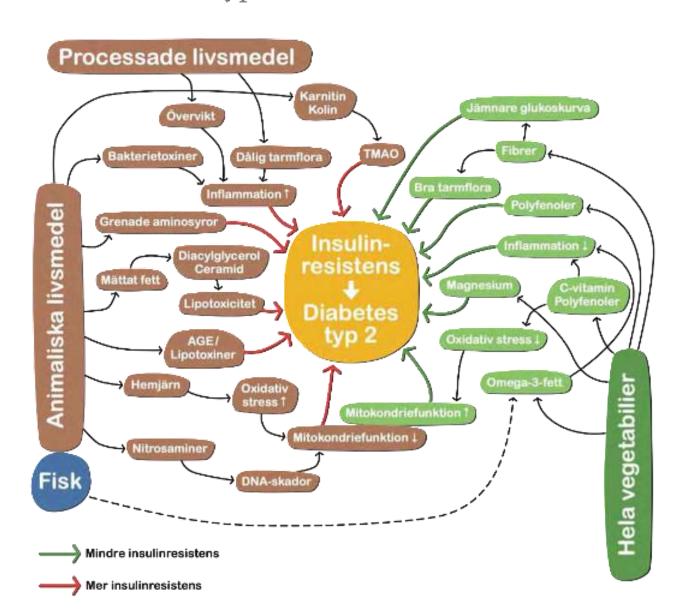
In the present study, we tested the effect of a Mediterranean-style diet on sexual function in women with the metabolic syndrome. Women were identified in our database of subjects participating in controlled trials evaluating the effect of lifestyle changes and were included if they had a diagnosis of female sexual dysfunction (FSD) associated with a diagnosis of metabolic syndrome, a complete follow-up in the study trial and an intervention focused mainly on dietary changes. Fifty-nine women met the inclusion/exclusion criteria; 31 out of them were assigned to the Mediterranean-style diet and 28 to the control diet. After 2 years, women on the Mediterranean diet consumed more fruits, vegetables, nuts, whole grain and olive oil as compared with the women on the control diet.

Diabetes typ 2

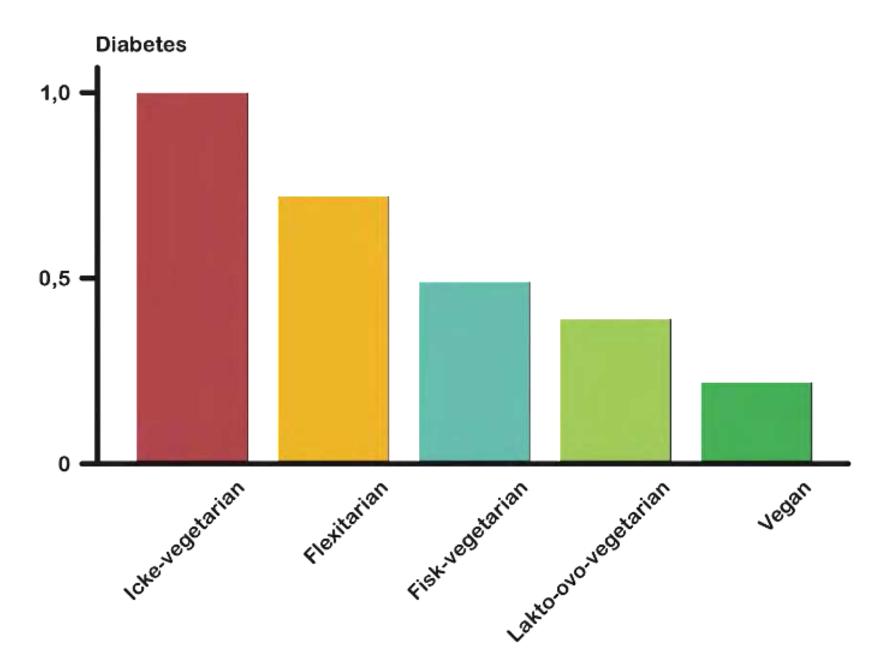


Eric Adams, borgmästare i New York, led av diabetes typ 2 tills han ändrade sin kost: "Jag

Verkningsmekanismer för hur olika livsmedel påverkar insulinresistens som kan leda till diabetes typ 2



Relativ förekomst av diabetes hos olika typer av vegetarianer jämfört med icke-vegetarianer hos sjundedagsadventister.



Vad händer när patienter vistas 26 dagar på ett hälsohem och äter stort sett bara oprocessade vegetabiliska livsmedel?

Table 1-Effects of diet and exercise on CHD risk factors in NIDDM patients according to medication status

	Insulin $(n = 212)$		Oral medication ($n = 197$)	
	Before	After	Before	After
Fasting glucose (mmol/l)	10.9 ± 0.3	10.2 ± 0.3	10.3 ± 0.3	8.5 ± 0.2
Patients taking medication	212	129	197	57
Total cholesterol (mmol/l)				
LDL cholesterol (mmol/l)	39%		71%	
HDL cholesterol (mmol/l)				
Total cholesterol: HDL cholesterol				
Triglycerides (mmol/l)				
Systolic blood pressure (mmHg)	131.7 ± 1.4	122.0 ± 1.3	130.7 ± 1.4	122.3 ± 1.3
Diastolic blood pressure (mmHg)	77.3 ± 0.7	72.2 ± 0.6	78.1 ± 0.8	73.9 ± 0.8
Body weight (kg)	86.2 ± 1.4	81.9 ± 1.3	87.3 ± 1.4	82.8 ± 1.2

Data are means \pm SE. Before, values before the program; after, values after the program. All values before the program were sit (P < 0.001).

SHORT REPORT

Regression of Diabetic Neuropathy with Total Vegetarian (Vegan) Diet

This study reports alleviation of the sharp, burning pains characteristic of systemic distal polyneuropathy (SDPN) patients with adult-onset (Type II) diabetes mellitus (AODM).

Loma Linda, CA, USA

Complete relief of the SDPN pain occurred in 17 of the 21 patients in 4 to 16 days.

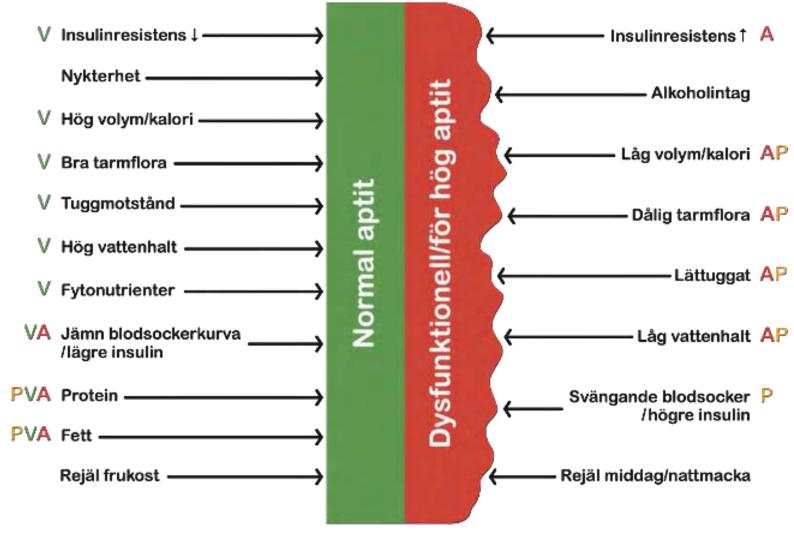
This study reports alleviation of the sharp, burning pains characteristic of systemic distal polyneuropathy (SDPN) patients with adult-onset (Type II) diabetes mellitus (AODM).

Twenty-one patients with known AODM and SDPN, average age 64, were trained in a low fat (10–15% of cals), high fiber, total vegetarian diet (TVD) of unrefined foods and conditioning exercise in a 25-day in-residence life-style program.

Complete relief of the SDPN pain occurred in 17 of the 21 patients in 4 to 16 days. The

Hälsosam vikt och normal aptit

Faktorer som påverkar aptiten



V = Växtbaserat/Hela vegetabilier

A = Animaliska livsmedel

P = Processade livsmedel





































CBP

locate/cbpa

The conser

"Deltagarna behövde utsättas för avsevärda påtryckningar för att försäkra att de åt upp all mat och inte gick ner i vikt."

the

David J.A. Jenkins^{a,o,c,a}, Cyril W.C. Kendall^{a,c}, Augustine Marchie^{a,c}, Alexandra L. Jenkins^c, Philip W. Connelly^c, Peter J.H. Jones^d, Vladimir Vuksan^{a,c}

^aClinical Nutrition and Risk Factor Modification Center, St. Michael's Hospital, 61 Queen Street East, Toronto, Ont., Canada M5C 2T2

^bDepartment of Medicine, St. Michael's Hospital, Toronto, Ont., Canada ^cDepartment of Nutritional Sciences, Faculty of Medicine, University of Toronto, Toronto, Ont., Canada ^dSchool of Dietetics and Human Nutrition, McGill University, Montreal, Canada

Received 9 August 2002; received in revised form 26 November 2002; accepted 27 November 2002

ANIMALISKT VÄXTBASERAT DIET MILK **PROCESSAT**

INSIDAN

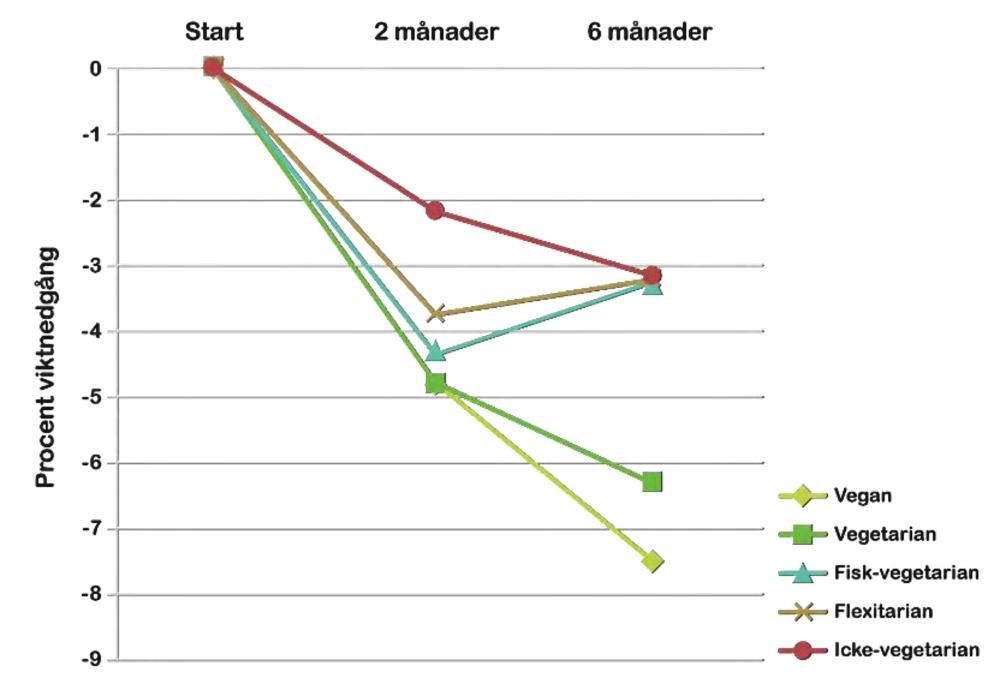
Mer än hälften av alla svenskar bär på övervikt

UPPDATERAD 2019-10-22 PUBLICERAD 2019-10-21



Illustration: Elin Lindwall Foto: Shutterstock Illustration: Elin Lindwall, Foto: Shutterstock

Drygt hälften av Sveriges befolkning är överviktig och i vissa grupper är det ännu fler.



www.nature.com/nutd

ORIGINAL ARTICLE

The BROAD study: A randomised controlled trial using a whole food plant-based diet in the community for obesity, ischaemic heart disease or diabetes

N Wright¹, L Wilson², M Smith³, B Duncan⁴ and P McHugh⁵

CONCLUSIONS: This programme led to significant improvements in BMI, cholesterol and other risk factors. To the best of our knowledge, this research has achieved greater weight loss at 6 and 12 months than any other trial that does not limit energy intake or mandate regular exercise.

Visition 0 Disheres (2017) 7 -200 deit0 1020/seed 2017 2 - whilehed called 20 March 2017

one of type 2 diabetes, ischaemic heart disease, hypertension or hypercholesterolaemia. Of 65 subjects randomised (control n = 32, intervention n = 33), 49 (75.4%) completed the study to 6 months. Twenty-three (70%) intervention participants were followed up at 12 months.

METHODS: All participants received normal care. Intervention participants attended facilitated meetings twice-weekly for 12 weeks, and followed a non-energy-restricted WFPB diet with vitamin B_{12} supplementation.

RESULTS: At 6 months, mean BMI reduction was greater with the WFPB diet compared with normal care (4.4 vs 0.4, difference: 3.9 kg m^{-2} (95% confidence interval (CI) \pm 1), P < 0.0001). Mean cholesterol reduction was greater with the WFPB diet, but the difference was not significant compared with normal care (0.71 vs 0.26, difference: 0.45 mmol I⁻¹ (95% CI \pm 0.54), P = 0.1), unless

Psykisk hälsa och arbetsförmåga

A Multicenter Randomized Controlled Trial of a Nutrition Intervention Program in a Multiethnic Adult Population in the Corporate Setting Reduces Depression and Anxiety and Improves Quality of Life: The GEICO Study

Ulka Agarwal, MD; Suruchi Mishra, PhD; Jia Xu, PhD; Susan Levin, MS, RD; Joseph Gonzales, RD; Neal D. Barnard, MD



FÖRBÄTTRINGAR I GEICOSTUDIEN

Föreställningen att hälsosammare ätande är en uppoffring som leder till minskad livskvalitet har inget stöd i den vetenskapliga litteraturen – Det är tvärt om!



Vad visar studier som jämför följsamhet till växtbaserade kostregimer med sådana som innehåller kött?



Turner-McGrievy G, Mandes T, Crimarco A. A plant-based diet for overweight and obesity prevention and treatment. J Geriatr Cardiol. 2017 May;14(5):369-374.

Huang R-Y, Huang C-C, Hu F, et al. Vegetarian Diets and Weight Reduction: a Meta-Analysis of Randomized Controlled Trials. *J Gen Intern Med.* 2015 Barnard ND, Levin SM, Yokoyama Y. A systematic review and meta-analysis of changes in body weight in clinical trials of vegetarian diets. *J Acad Nutr Diet.* 2015;115:954–969

Får vi
i oss allt?

Brister?

HÄLSOSAM NÄRINGSMÄSSIGT TILLRÄCKLIG LÄMPLIG I ALLA LIVETS SKEDEN

ALLA LIVETS SKEDEN

Graviditet
Ammning
Spädbarnsår
Barndom
Tonår
Äldre
Idrottare

FROM THE ACADEMY

Position Paper



Position of the Academy of Nutrition and Dietetics: Vegetarian Diets



ABSTRACT

It is the position of the Academy of Nutrition and Dieterics that appropriately planned vegetarian including vegan, diets are healthful, nutritionally adequate, and may provide health benefits for the prevention and treatment of certain diseases. These diets are appropriate for all stages of the life cycle, including pregnancy, lactation, infancy, childhood, adolescence, older adulthood, and for athletes. Flant-based diets are more environmentally sustainable than diets rich in animal products because they use fewer natural resources and are associated with moth less environmental damage. Vegetarians and vegans are at reduced risk of certain health conditions, including ischemic heart disease, type 2 diabetes, hypertension, certain types of cancer, and obesity, low intake of saturated far and high intakes of vegetables, fruits, whole grains, legumes, suy products, nurs, and seeds (all rich in fiber and phytochemicals) are characteristics of vegetarian and vegan diets that produce lower total and low-density lipoprotein cholesterol levels and better serum glucose control. These factors contribute to reduction of chronic disease. Vegans need reliable sources of vitamin 8-12, such as fortified foods or supplements.

J Acad Nutr Diet, 2016 110 1970-1980.

dietary patterns can be quite diverse because of the variety of food choices available and the different factors that motivate people to adopt such patterns. People choose to adopt a vegetarian diet for many reasons, such as compassion toward animals, a desire to better protect the environment, to lower their risk of chronic diseases, or to therapeutically manage those diseases. A well-planned vegetarian diet containing vegetables, fruits, whole grains, legumes, nuts, and seeds can provide adequate nutrition. Vegetarian diets are devoid of flesh foods (such as meat, poultry, wild game, seafood, and their products). The most commonly followed vegetarian diets are shown in Figure 1. The adoption of a vegetarian diet may

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cause a reduced intake of certain

nutrients; however, deficiencies can

he readily avoided by appropriate

planning.

VEGETARIAN DIETS IN PERSPECTIVE

Trends among Vegetarians

According to a nationwide poll in 2016, approximately 3.3% of American adults are vegetarian or vegan (never eat meat, poultry, or fish), and about 46% of vegetarians are vegan.7 The same poli revealed that 6% of young adults (18 to 34 years) are vegetarian or vegan, while only 2% of those 65 years or older are vegetarian. Sales of alternative meat products reached \$553 million in 2012, an 8% increase in 2 years. It was observed that 36% of survey responders sought vegan meat alternatives, largely from among the 18- to 44-year-old age group.12 While whole plant foods serve best as dietary staples, some processed and fortified foods, such as nondairy beverages, meat analogs, and breakfast. cereals, can contribute substantially to the nutrient intake of vegetarians.

Plant-based diets, including vegetarian and vegan diets, are becoming well accepted, as further evidenced by many nonprofit and government institutions highlighting this dietary choice. The American Institute for Cancer Research encourages a plantbased diet, suggesting Americans consume swe-thirds of their dietary intake from vegetables, fruits, whole grains, and beans. In the 2015-2020 Dietary Guidelines for Americans, vegetarian diets are recommended as one of three healthful dietary patterns, and meal plans are provided for those following lacto-ovo-vegetarian and vegan diets. The National School Lunch Program, while not requiring vegetarian options per se, requires schools to increase availability of fruits, vegetables, and whole grains in current

meal patterns in the school menu-

POSITION SYNTENESSY

It is the position of the Academy of Natiotion

and Dietetics that appropriately planned

provide health benefits in the preventor and tractment of certain diseases. These

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cycle including pregnancy lectation, infancy childhood, addrescence, older adulthood

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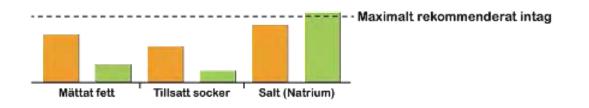
muidi less environmental damage.

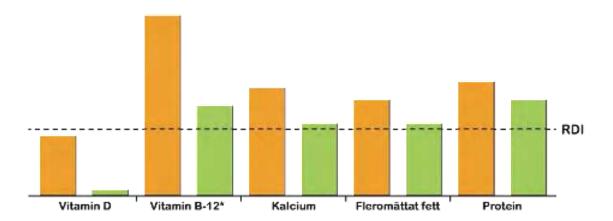
Those following a vegetarian diet now have technological support. To date, while no online nutrition food tracker exists strictly for vegetarian diets, some allow clients to select vegetarian and vegan plans. These applications for mobile devices allow vegetarians to discover nutritional needs, track intake, and locate restaurants and markets where vegan foods are available. The online tracking tool at www.SuperTracker.usda. gov is a part of the US Department of Agriculture Choose My Plate program.

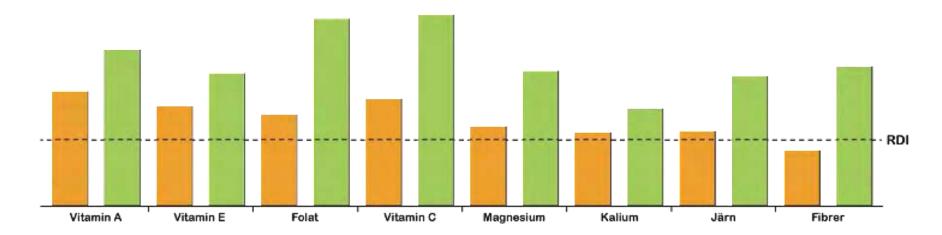
NUTRITION CONSIDERATIONS FOR VEGETARIANS

Protein

Vegetarian, including vegan, diets typically meet or exceed recommended







MyPlate

RDI = Rekommenderat dagligt intag enligt Livsmedelsverket - gäller vuxna



* Inkluderar intag via berikade livsmedel enligt amerikanska data – OBS att berikningsgrad skiljer sig mellan olika länder. Den som äter en växtbaserad kost bör alltid komplettera med tillskott av vitamin B-12.

ANIMALISKT VÄXTBASERAT DIET MILK **PROCESSAT**



Ta makten över din hälsa

Tad händer i kroppen när du övergår från blandkost till att äta hela vegetabilier?

Hjärt-kärlsjukdom, åderförkalkning, diabetes typ 2 och högt blodtryck är folksjukdomar som är möjliga att bromsa och till och med vända förloppet på med en långtgående koständring.

Kostens kraft är en ambitiös och pedagogisk genomgång av etablerad forskning och nya rön. Men den berör också på ett personligt plan genom intervjuer och berättelser av månniskor som ätit sig friska. Kostens kraft inspirerar även till nya matvanor med goda, spännande och lättlagade gröna recept och härliga bilder.

"David Stenholtz belyser med genuint intresse och gedigen kunskap hur du kan förbättra din hälsa genom ett sundare motval. Kosten som gagnar den individuella hälsan är oftast också fördelaktig ur ett planetärt perspektiv. Att matens sammansättning gör så stor skillnad behöver vi i sjukvården bli bättre på att föra fram."

Maria Wolodarski, MD, PhD, erdförande i Läkare för Miljön, ordförande i arbetsgruppen för klimat, hälsa och hållbar sjukvärd i Svenska Läkaresällskapet

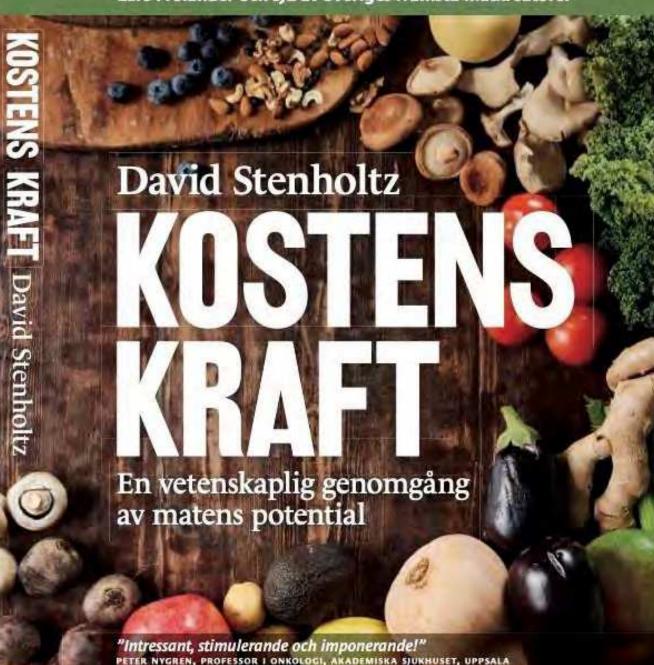
"Inspirerande, pedagogiskt och uppbackat av vetenskap om hur fiera folksjukdomar kan bromsas och till och med reverseras genom hälsosammare kost. Det här är populärvetenskap när den är som bäst."

Anna Ottosson, grundare av Foodpower, vice ordförande i Dietisternas riksförbund 2007-2018 och författare.

LAVA



Med inspirerande recept av Therése Lindgren, Lars Frölander och sju av Sveriges främsta matkreatörer



David Stenholtz recept

Davids sallad

ET HÄR ÄR en av mina absoluta favoriträtter som jag äter flera gånger i veckan. Färgerna är en fröjd för ögat. Kombinationen av sötma från russin, morot och fänkål, sälta från jordnötter, krämigheten från dressingen och den fräscha smaken av gurka gifter sig perfekt. Och det är svårt att få till något nyttigare!

Bas

morötter, rödkål, gurka

Valfria ingredienser

Fänkål, selleri, grönkål, vitkål, tomat, paprika Topping Jordnötter, russin, färska kryddor som basilika och/eller koriander

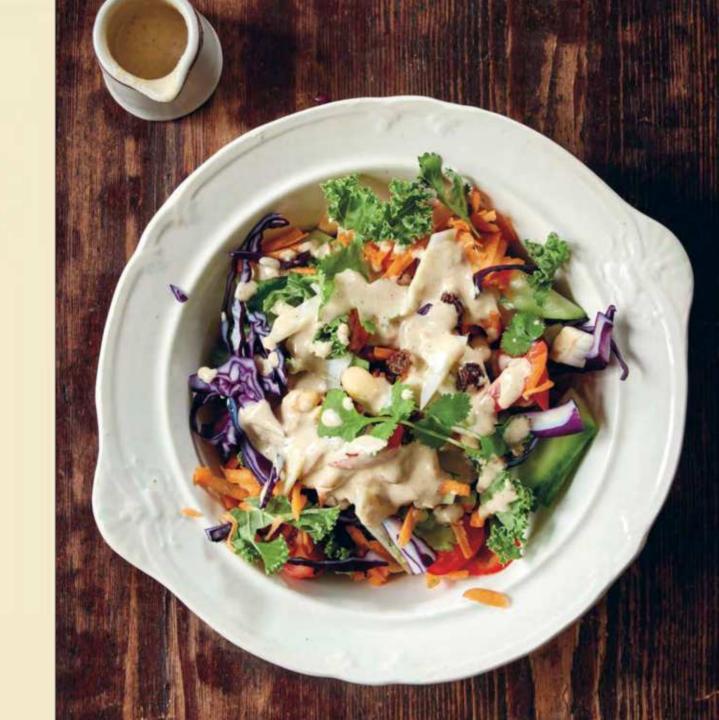
Dressing för en person

2 msk tahini (sesampasta) 1 tsk dijonsenap 1–2 dl sojamjölk peppar

Gör så här:

Hacka alla grönsaker, lägg i en skål och strö över topping.

Rör ihop tahini, senap och peppar. Strila ner ett par matskedar sojamjölk och rör till en jämn smet. Upprepa tills du tillsatt all sojamjölk. Häll över salladen. Klart!





Tack!



Reimagine Life

ReMark and the Global Consumer Study





Agenda

1

Background

Who are we?

2

Our Solutions

Solutions Overview

Velogica

BAM

VClaims

3

Consumer Research

Global Consumer Study



ReMark: Who are we?

ReMark is a global provider of insurance solutions and services that help clients gain, retain and engage policyholders by delivering the best consumer experience

from quote to claim.



Insights



Digital Solutions



Marketing



33 Nationalities



Languages



220 Staff



15 Offices

ReMark: the creative force of SCOR.

Since 2007, we've worked together with our parent company.



ReMark's solutions and services

Our objective: to create the best possible customer experience.





Customer Engagement & Loyalty







Automated medical underwriting



Health & Wellness application powered by SCOR's BAM algorithm



Optimised claims declaration platform





A DECADE IN REVIEW: PAVING THE FUTURE OF INSURANCE





What is it?

- Published since 2014
- One of the largest global surveys on insurance customers
- Read by insurance executives and the wider public
- Examines consumer attitudes towards insurance, health & wellness, P&C, tech and more

Why do we need it?

- To be people centric
- To help insurers listen to consumer voices and design products/solutions for the people
- To bring unique value: other insurers don't do this
- To close the protection gap by connecting insurers and consumers

What's new in our 10th edition?





INSIGHTS ON THE CONSUMER JOURNEY



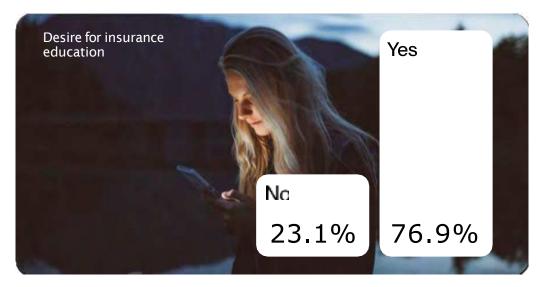
Insight 1:

Decoding the Future of Insurance

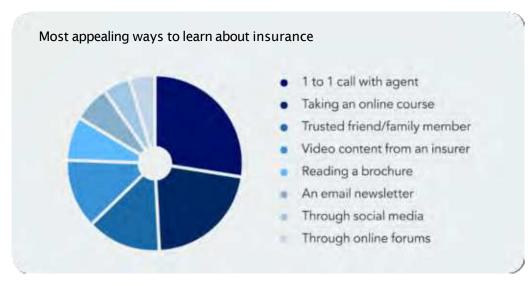


Respondents had the greatest confidence in their knowledge of Savings (69.3%) and Banking (62.6%), with Life & Health Insurance (58.9%) and Home & Motor Insurance (57.3%) next down the list.

Whilst both Millennials and Gen Z have similar have broadly similar self-assessments of their knowledge, upon testing we saw that the elder age group have a considerably higher average insurance literacy score (6.1 vs 5.45).



Q / Do you feel you need additional education about insurance?



Q / What would be your ideal way to learn more about insurance?

Insight 2:

Mapping out the consumer journey

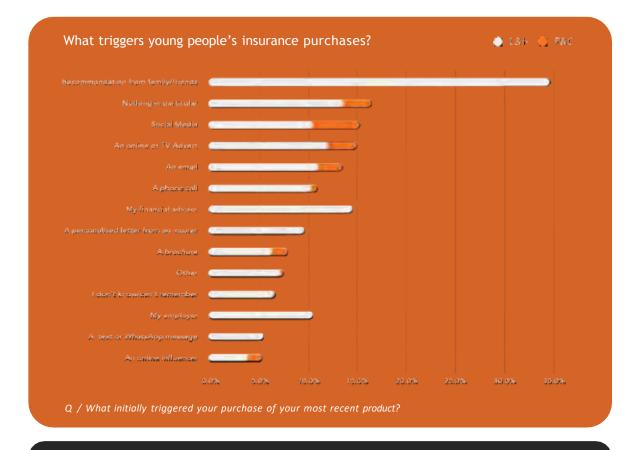
#1 consideration during the purchase process is "good online reviews"

(In Sweden, the #1 consideration is "price")



For the first time this year, "Good Online Reviews" are more important than price for young people considering their next insurance purchase, with a quarter choosing this as their priority (26.2%).

However, price is still a crucial factor, with over 50% of respondents willing to forsake brand reputation if the new online competition were cheaper or more convenient.





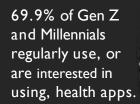


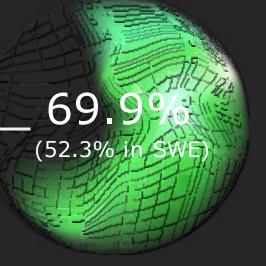
INSIGHTS ON LIFE & HEALTH INSURANCE



Insight 3:

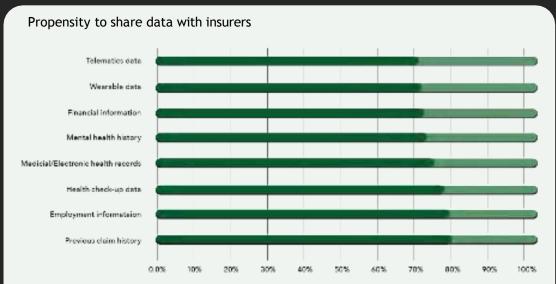
Living well in a connected world



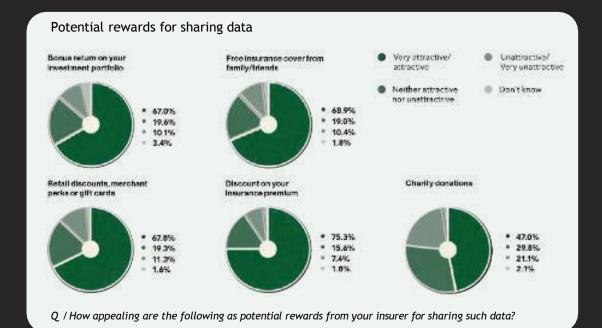


This year, respondents from China (92%), Mexico (88.3%) and Chile (82.5%) attribute the most importance to healthy living. Encouragingly, young people appear very aware of the utility of health & wellness apps to improve fitness.

Importantly for insurers, there is enthusiasm among policyholders for the prospect of sharing optional data in exchange for insurance discounts.



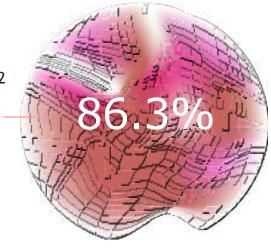
Q / Would you consent to sharing optional data with your insurer, such as from a car analytics device or smart watch, if they were able to offer you a customised insurance plan?



Insight 4:

Virtual lives: curse or cure?

86.3% of young people check social media at least every 2 hours.

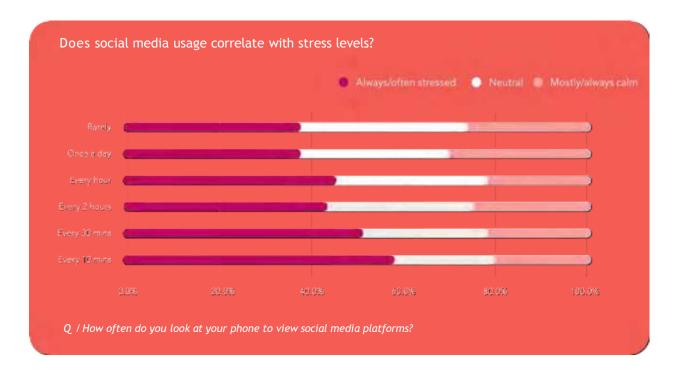


46.7% of our Millennials and Gen Zs reported feeling often or always stressed, a rise of more than 6% on the previous year (40.2%).

The largest cause of stress is financial issues.

Despite 86.3% of respondents checking social media at least once every 2 hours, only 24.3% of users say it negatively affects their mental health.

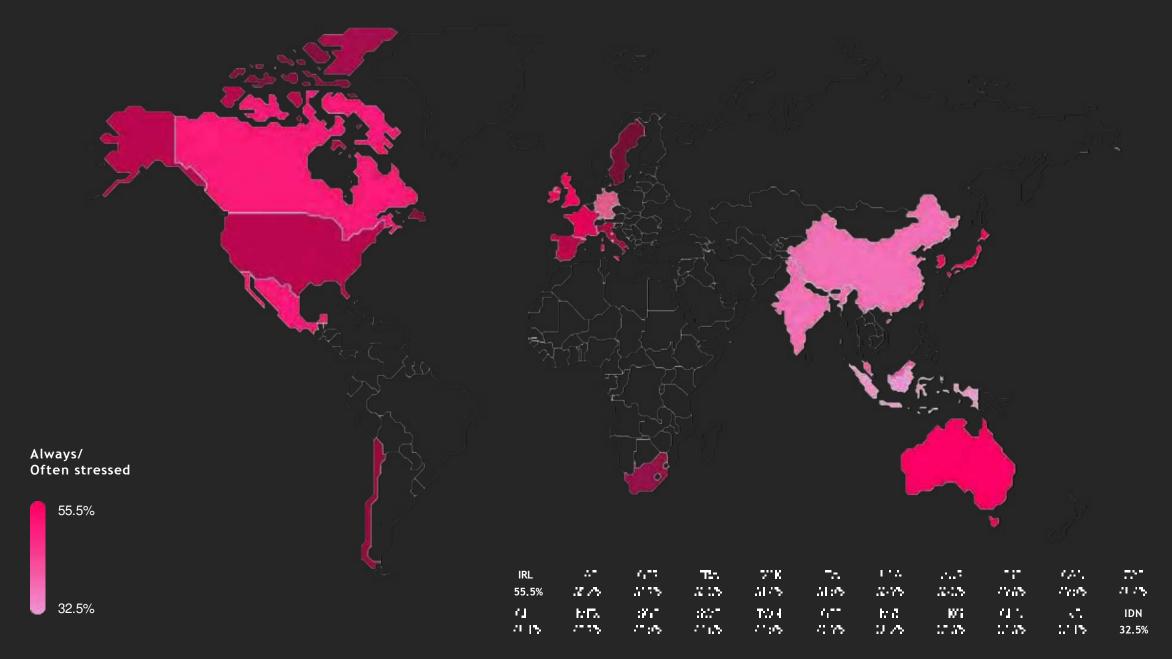
But when cross-referencing, a greater correlation appears between stress and social media usage.



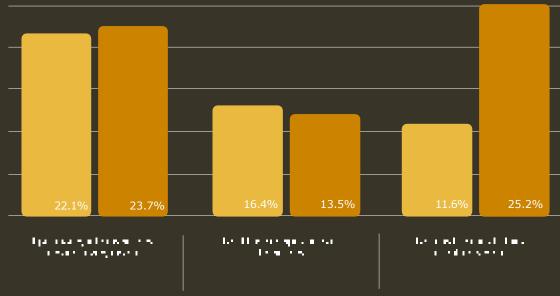
In Sweden, 67.2% of those who check social media every 10 minutes state they are always/often stressed.

Where is the most stressed?

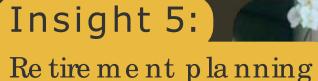
Q / Generally speaking, how do you feel?







Q / Are you taking any steps to prepare for your retirement?



61.3%

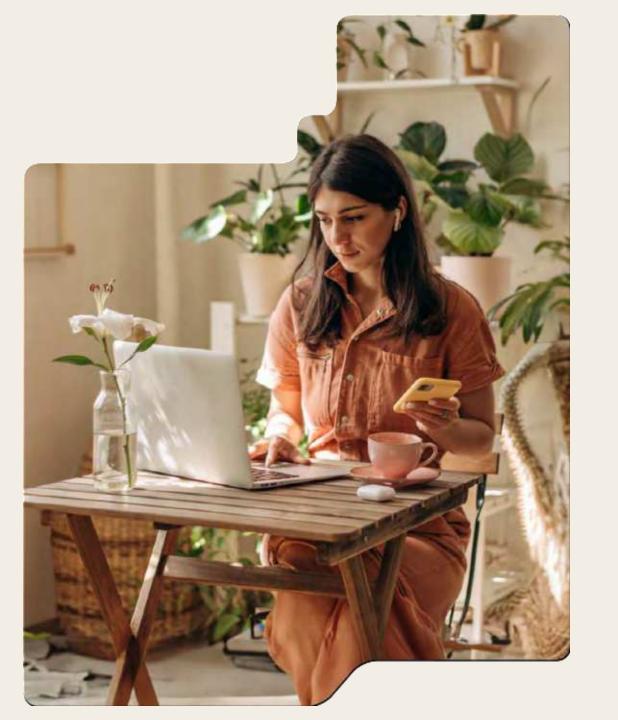
(59.4% in SWE)

61.3% of Gen Z are taking steps to financially secure their future



Savings accounts (22.6%) are the most popular ways young people are financially preparing for their future, followed by employer (16.6%) and personal (16.5%) pension plans.

But confidence in savings products far exceeds that of pension products - a potential opportunity for providers.



INSIGHTS
ON PROPERTY
& CASUALTY
INSURANCE



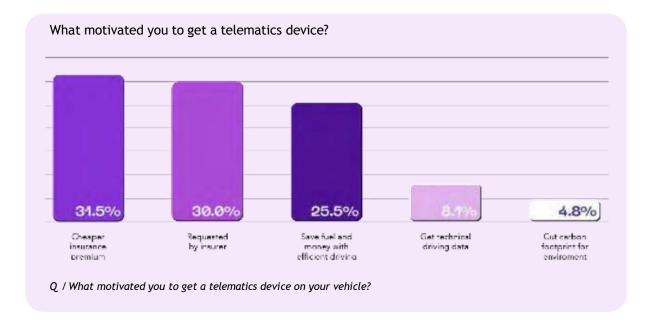
Insight 6: Telematics

35.9% in SWE)

35.9% of young drivers want safety coaching & recommendations based on telematic analytics.

More than a third of Gen Z drivers around the world have a telematics device fitted in their car (35%), with the highest adoption in Hong Kong and China.

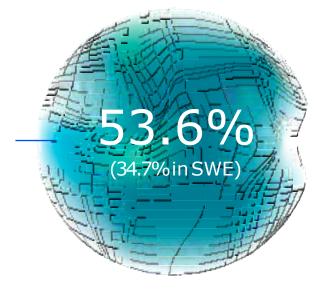
The leading trigger for getting a device fitted is the attraction of cheaper car insurance premiums (31.5%), with many also keen to take advantage of the driving insights telematics generates.





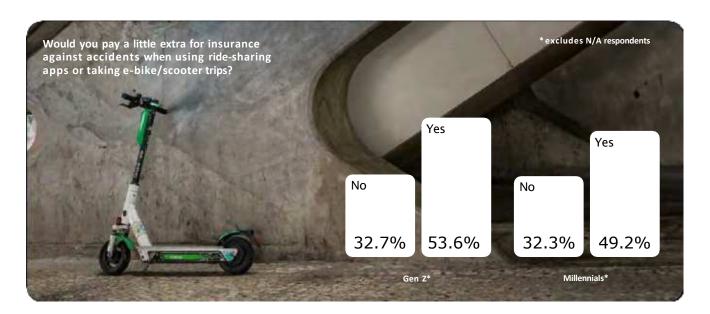
Insight 7: Convenience **vs** value: a balancing act

53.6% of Gen Z respondents are happy to add insurance cover to their bookings when using ride sharing apps.



Awareness of embedded insurance is highest in Taiwan (83.2%) and lowest in Japan (51%). But for those who are aware, price is the main barrier when t comes to adding this onto their purchases.

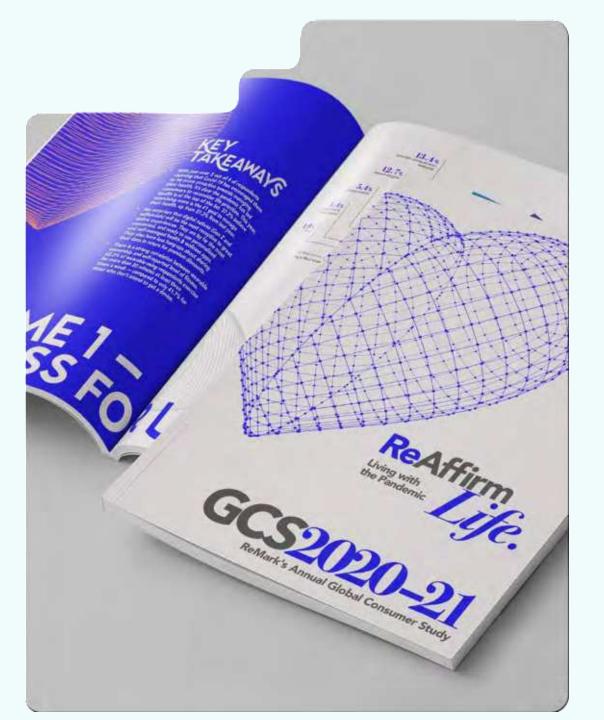
When it comes to short-term, stackable insurance, there is broad interest in this as a concept (63.3%).





Q / Would you be interested in the type of product described below?

There are new types of insurance products that allow individuals to make small and regular contributions to an insurance policy, by dedicating a portion of their daily or monthly spending to the policy. For example, if you buy a coffee priced at \$2.70, the transaction would automatically be rounded up to \$3.00, and the 30 cents difference would go towards increasing your protection cover for a life/health/property insurance you had pre-selected.



10 Years of the GCS





Changing trends:

- Socioeconomic factors dominated insurance purchases in 2014.
- Health and tech indicators surged from 2017 to 2020.

2021 shift:

- Financial and demographic factors returned as drivers.
- · Homeownership, parenthood and age gained prominence.

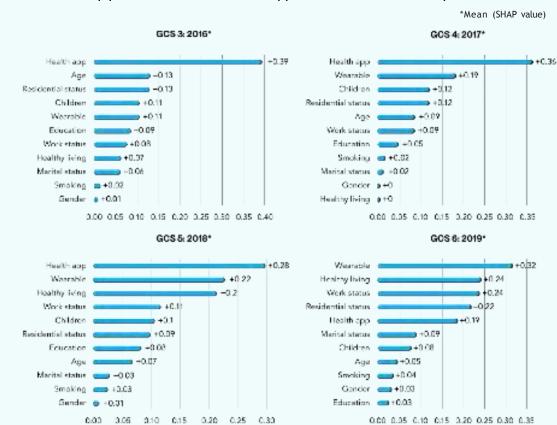
Rebalancing in 2022-2023:

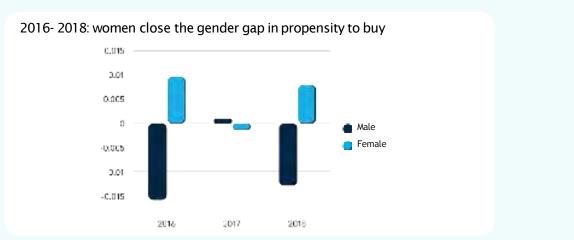
- · Health/tech indicators regained importance.
- Strong correlation with health metrics emerged.

Gender influence:

- Women played a key role in shaping decisions during 2016-2018.
- · Coincided with the rise of health and tech indicators.

2017-2020 top predictive variables: health apps and wearable ownership





Propensity to purchase: men vs. women -0.02 -0.04-0.06 30.0-2019 2021 2022 2023

The shock of a pandemic

Pandemic-driven shift (pre-pandemic to 2023):

- Initial shift away from health-related technologies.
- More male purchasers, less health-focused, less educated and lower employment.

2023: Re-emerging health correlation:

- Health-related metrics regaining importance in insurance purchases.
- Financial/demographic variables still most prominent

Pandemic's ongoing impact:

- Coexistence of pre-pandemic and post-pandemic mindsets.
- Consumer behaviours still influenced by post-pandemic insecurity and uncertainty.
- Pandemic's influence on financial decisions remains significant.

Knowledge = Sales, the winning

equation

Insurance literacy is a key predictor:

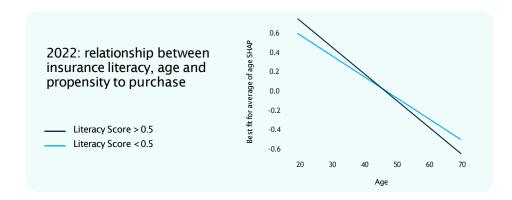
 Insurance literacy scores strongly predict consumer purchase behaviour, especially among younger demographics.

Age and insurance literacy impact purchasing behaviour:

- Ages 20-40: Higher literacy correlates with higher purchase likelihood.
- Ages 40 and above: Lower literacy linked to increased recent purchases, possibly due to financial security concerns.

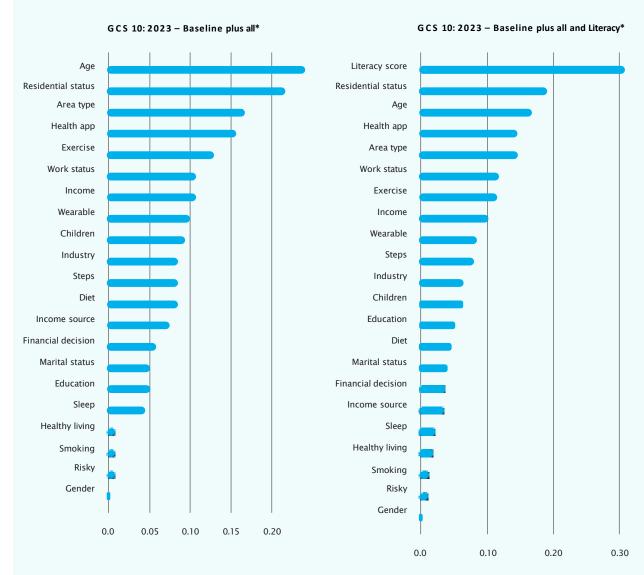
Implications for insurance providers and future insights:

- Prioritise customer education for all age groups.
- Explore non-traditional data sources to enhance understanding of insurance purchasing behaviour.



2023: Insurance literacy dominates predictive performance

*Mean (SHAP value)



A focus on Gen Z & Millennials

1

Reviews & price

Insight:

Good online reviews, not price, drive insurance purchases among Gen Z and Millennials.

Potential:

Enhance online reputation and maintain brand image to attract younger customers.

2

Embedding insurance

Insight:

54% of Gen Z are happy to consider embedding insurance in their ride-share app.

Potential:

Offer embedded cover, tapping into evolving preferences of the younger demographic.

3

Health & purchasing

Insight:

Health-conscious living trumps income in predicting insurance adoption.

Potential:

Insurers providing a more holistic experience are more likely to attract and retain policyholders.



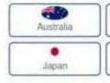
Q&A



Data Dashboard

About the Study





world.











Spain

37-42









This year's Global Consumer Study is based on a survey of 12,563 consumers drawn from 22 key insurance markets around the

Fieldwork was conducted in April 2023.

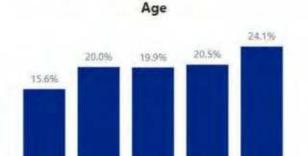
The generation groups in this dashboard are based on the definition used by the Pew Research Center:

Generation Age range

Gen Z	Born after 1996 Ages 18-2	6
Millennials	Born 1981-96 Ages 27-42	

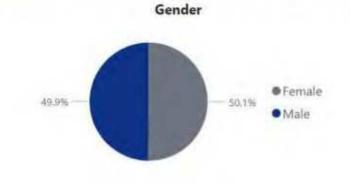
Select Insurance Market

Established	Growth
THE CONTRACT OF THE CONTRACT O	EXCUSED .



27-31

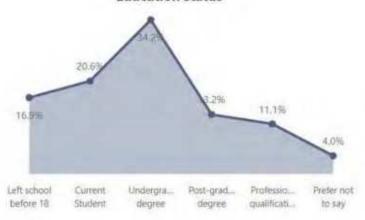
32-36



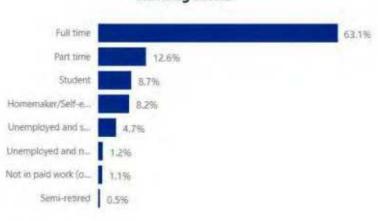
Education status

22-26

18-21



Working status





AVAILABLE NOW





www.remarkgroup.com







About

2

Background

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Problem
Statement &
Solution

4

Results

5

Going Forward

1

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Statement &
Solution

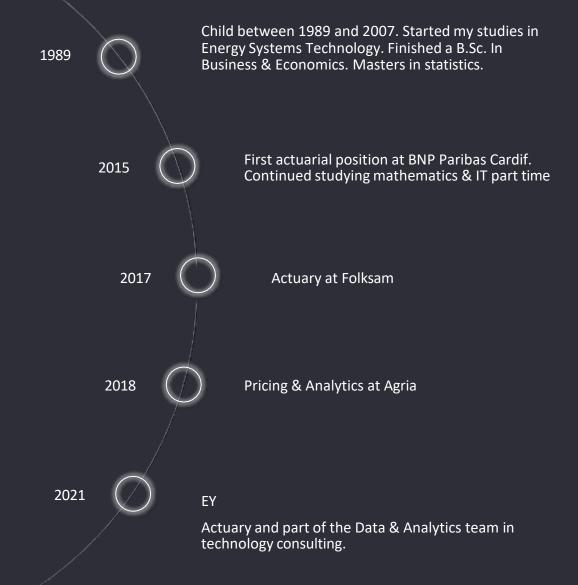
4

Results

5

Going Forward

1. Introduction – About Me



1

About

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Statement &
Solution

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Results

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Going Forward

About

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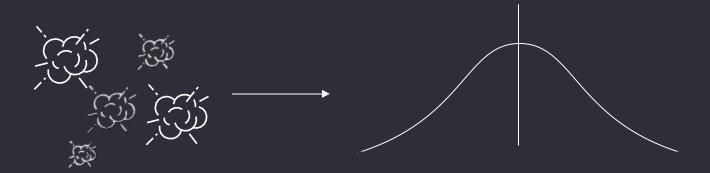
4

Results

5

Going Forward

2. Background



Objective

Transfer of economic risk from the policyholder to the insurance company. In exchange for an insurance premium.

Statistical Properties

Loss of the insurance company is a sum of a large number of comparatively small independent losses. More predictable than individual losses.

Methods

Statistical models are needed since expected losses vary between types of policyholders and the insured objects.

Data

Quality and Accuracy Volume management Dimensionality

Modelling

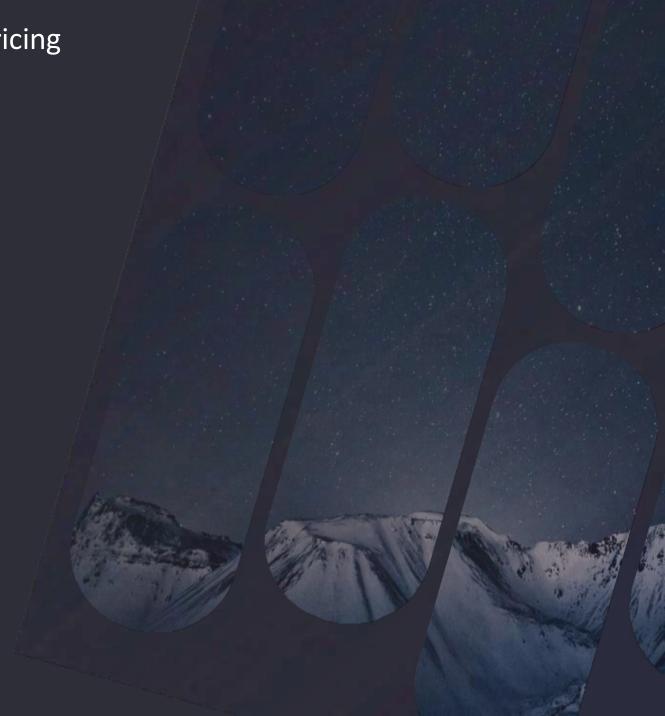
Complexity
Calibration
Dimensionality

Market

Customer Expectations
Regulatory changes

Environment

Interest rates
Emerging risks
Environment



Modelling

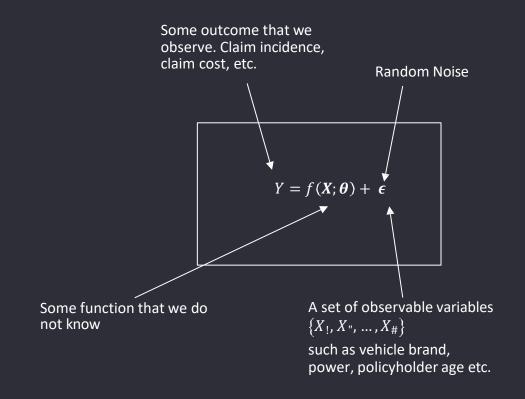
$$Y = f(X; \boldsymbol{\theta}) + \boldsymbol{\epsilon}$$

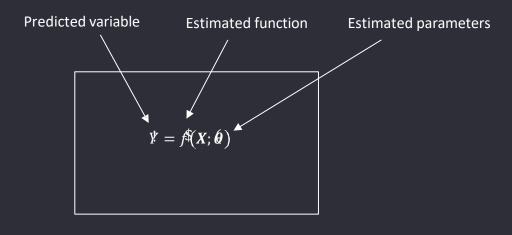
Modelling

$$Y = f(X; \boldsymbol{\theta}) + \boldsymbol{\epsilon}$$

$$Y = f(X; \boldsymbol{\theta})$$

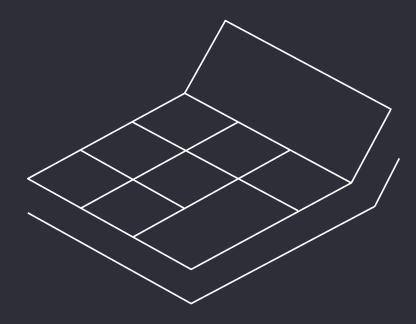
Modelling





2. Background – Traditional vs. "New" models

Historically the Generalized Linear Model has been the backbone of insurance pricing. GLM offers simplicity and predictability making it the go-to-choice for years.



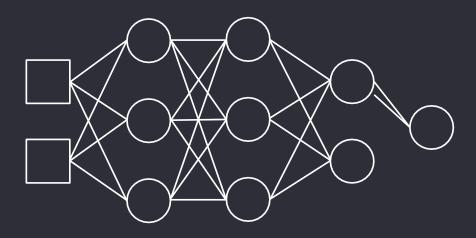
Pros:

- Well established
- Simplicity
- Consistency
- Assumptions of distributions
- Provides confidence intervals.

Cons:

- May not capture intricate patters in risk
- Less flexible in adapting to data trends

Advancements in technology and especially increased computer power, complex models such as neural networks and random forests emerged. These promise better accuracy and insight.



Pros:

- Higher Accuracy
- Flexibility
- Rich insights

Cons:

- Requires larger dataset for optimized performance
- Difficult interpretability
- Risk of loosing generalization

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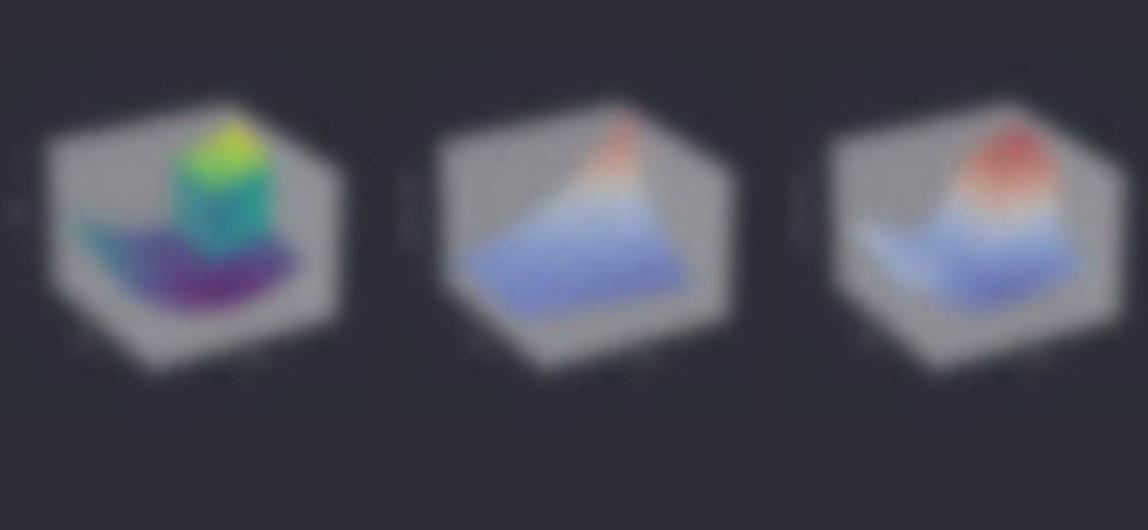
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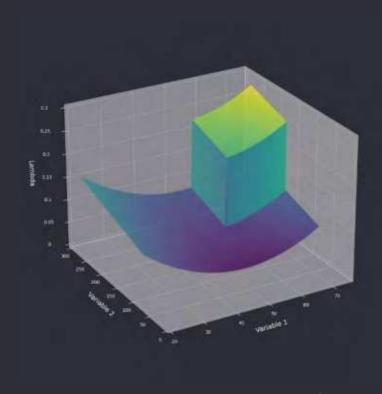
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3. Problem Statement

How do Machine Learning methods compare to GLM's when data is limited in insurance pricing, and can we do something to improve the estimations?



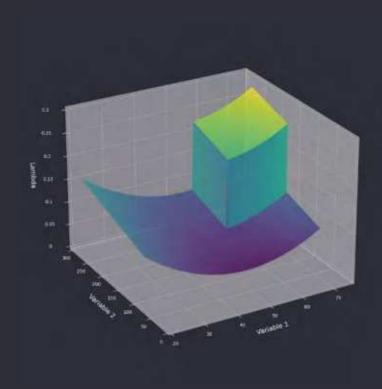
Underlying lambda function (incidence rate of insurance claims)



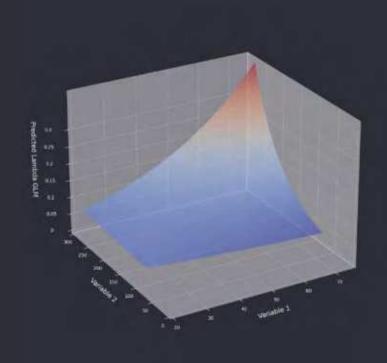
Incidence rate is simulated in a setting where we have full knowledge of the underlying data generating process. One risk factor is linearly increasing, and the other risk factor is linearly increasing

Underlying lambda function (incidence rate of insurance claims)

Conventional Generalized Linear Model



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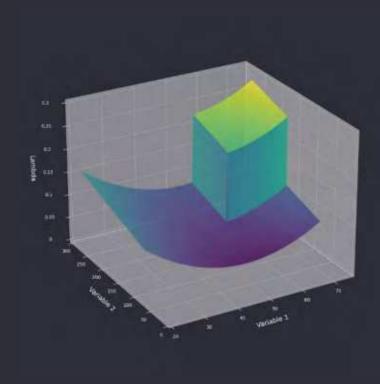


GLM fails to capture the full relationship between the variables in a simple setting

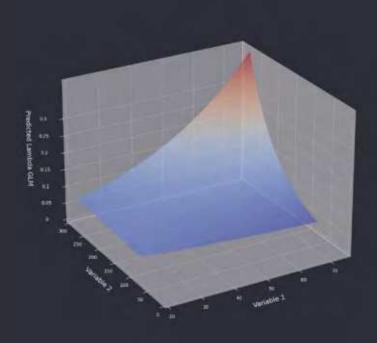
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Conventional Generalized Linear Model

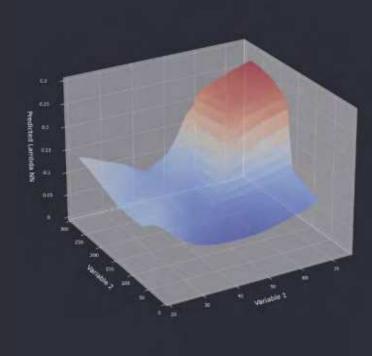
"Simple" Machine Learning Model



Incidence rate is simulated in a setting where we have full knowledge of the underlying data generating process. One risk factor is linearly increasing, and the other risk factor is linearly increasing



GLM fails to capture the full relationship between the variables in a simple setting



Improved fit to the function surface

1

Simulate data according to a distribution where the proportion of observations where risk is higher.
Policyholders with ages < 25 and > 65 are small.

Simulate claims according the risk function surface where the data generating process is known.

3

Estimate the risk function without oversampling with different specifications of GLM's and Machine Learning algorithms.

4

Apply an oversampling technique to generate more observations where the risk is high, and exposure is low.

In this case SMOTE is applied.

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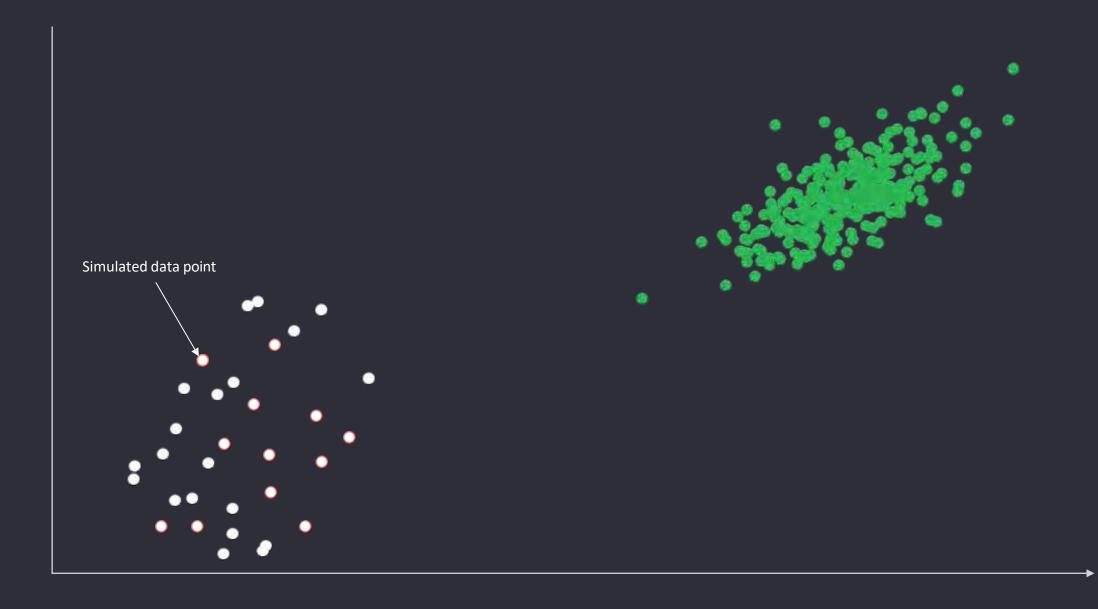
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3. Problem Statement & Solution – Approach in a known environment Synthetic Minority Oversampling Technique - SMOTE



SMOTE



SMOTE

One of many algorithms to simulate new data points based on data from observed data

Algorithm 5 SMOTE Algorithm

Define $D = (X_i, Y_i)$ as the training sample for observation i = 1, ..., n in the data set. Define for example extreme high cases of the response as Y > t where t is for example the number of claims observed or a observed level of the frequency. Define also a relevance function such that observations above t receive relevance 1 while values below t receive relevance 0 meaning that the extreme values are more relevant in the data. This creates a subset of D, $D_r = \{(X_i, Y_i) \in D : Y_i \ge t\}$ which are used to create synthetic observations.

0. Define D, D, as the data set of interest and the data set considered under represented, t as the threshold defining when Y is considered extreme. %o as the percentage of oversampling of D, i.e. how many extra samples should be created with response of interest, k as the number of nearest neighbours of each observations should be used to generate new observations.

```
nng 

number of new observations to be generated
for all observations \in D do

    Set ans ← kNN(k, observation, D<sub>k</sub> \ observation)

        for i in 1, \dots, nng do
             Randomly choose X with replacement from nns
                    for all (X_i, Y_i) \in (X, Y) do
                       if X, is numeric then
                             X_{i \text{ diff}} \leftarrow X_{i \text{ observation}} - X_{i \text{ (// Difference between the annualic value}}
                             of the explanatory variable X_i of the observation and of the kNN X_i i
                            X_{i \text{ new}} \leftarrow X_{i \text{ observation}} + \text{RANDOM}[0, 1] \times X_{i \text{ diff}}
                             X_{i \text{ new}} \leftarrow \text{randomly select among } X_{i \text{ observation}} \text{ and } X_i
                       end if
                    end for
             3. Calculate d_1 \leftarrow \text{HEOMDistance}(X_{i \text{ now}}, X_{i \text{ observation}}) and d_1 \leftarrow
             \text{HEOMDistance}(X_{i \text{ new}}, X_i) to find the new target value
                                   Y_{\ell \text{ inter}} \leftarrow \frac{d_2 \times Y_{\ell \text{ observation}} + d_1 \times Y_i}{d_1 + d_2}
```

end for end for

3. Problem Statement & Solution – Summary of approach

Datasets

Applied Models

Scope

Simulated data with known risk properties without oversampling

Simulated data with known risk properties with oversampling

Real dataset from Wasa motorcycle insurance without oversampling

Real dataset from Wasa motorcycle insurance with oversampling

Generalized Linear Models with different specifications

Generalized Additive Models with different specifications

Random Forests

Generalized Additive Models with different specifications

Regression Trees

Artificial Neural Networks

A total of 410 different models fitted and compared in each of the total 4 datasets.

The fitting algorithms are run approx. 16000 times for the specifications to be evaluated

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4. Results – Summary & Conclusions

Data	Oversampling	Best Performance*
Simulated data	No	GLM
	Yes	Regression Tree
Wasa insurance data	No	GLM
	Yes	Random Forest

^{*} Out of sample

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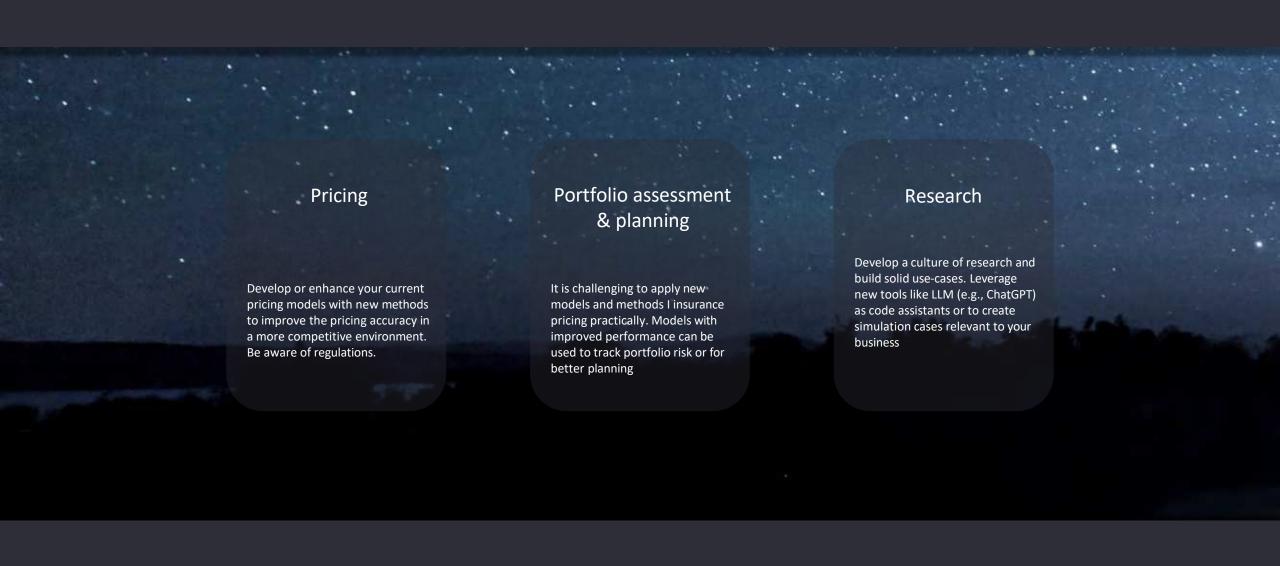
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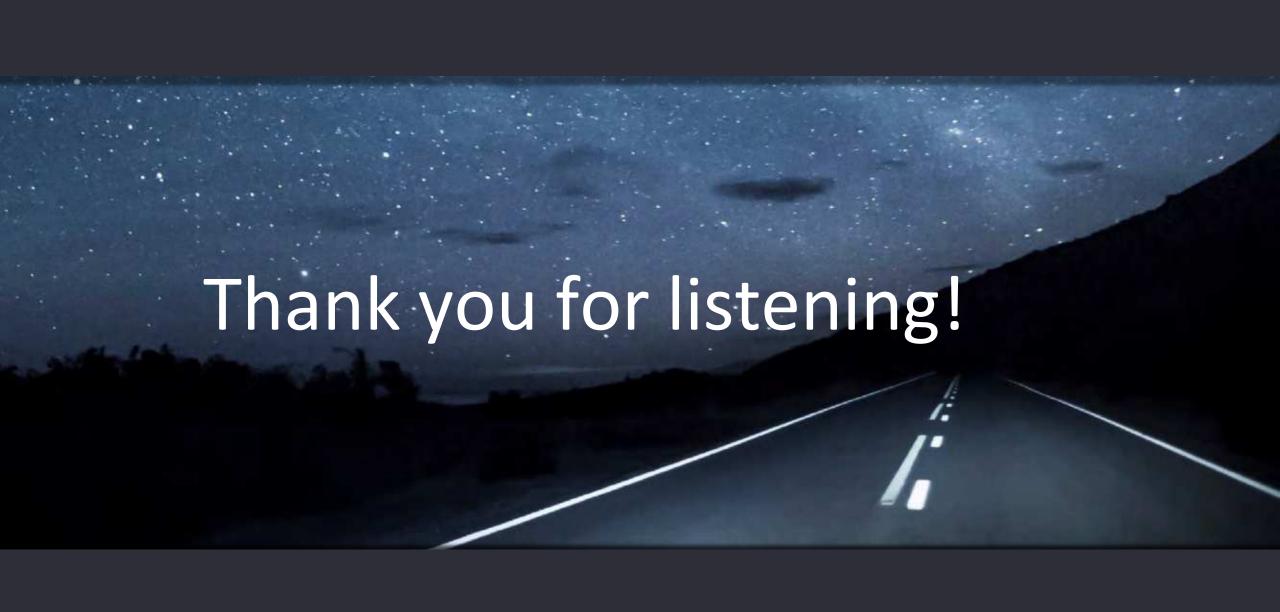
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5. Going forward









- NYA VERKTYG FÖR VÄLMÅENDE OCH PRESTATION I EN DIGITAL VARDAG





13/10 2023

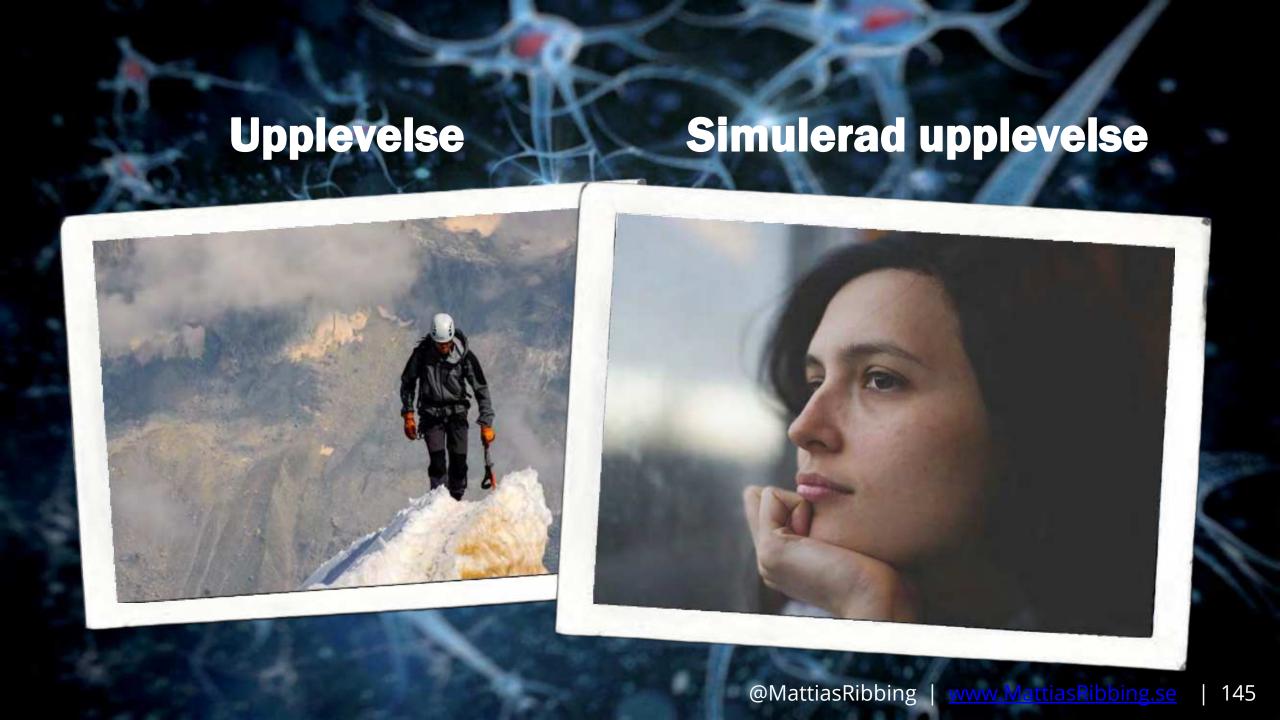
Mattias Ribbing

1 timme siffror OFFICIELLT RESULTAT 1060

FOKUS, FLEXIBILITET OCH FLER TIMMAR OM DYGNET!?

1-punk att-göra-













Livförsäkringskonferens 14 oktober 2022

- Tackmail till deltagarna
- Utvärderingen gick till 191 personer
- Enkät på 7 frågor med fritext







Feedback on the 2022 Conference

- Asle Toje world class even though very depressing
- Torbjørn Åkerstedt very funny (unintentional) about sleep
- Would like to learn more about sleep
- Finally, an Actuary (Lina Palmborg) who could communicate with normal people
- Still impossible to understand the actuaries
- Great meeting place
- Food and drinks a disaster. The desert, what on earth was it?
- Food very good
- Enjoyed the longer breaks
- Bring more wine to the tables
- Well done SCOR Sweden Re Fantastic
- Presentation messy and impossible to follow
- One of the most boring persons I ever have listened to
- His ego is out of proportion
- A very nice guy



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